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Texas Occupational Employment Statistics

Industry Staffing Patterns

Education

TEXAS EMPLOYMENT COMMISSION
In cooperation with the U.S. Department of Labor
Bureau of Labor Statistics
Issued March 1990

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TEXAS OCCUPATIONAL EMPLOYMENT STATISTICS

INDUSTRY STAFFING PATTERNS
FOR
EDUCATION

April 1988

Prepared by
Texas Employment Commission
Economic Research and Analysis
TEC Building
Austin, Texas 78778

THE STATE OF TEXAS

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PREFACE

This publication summarizes the results of an occupational employment survey of the education sector in Texas.

This report is the product of a Federal-State Cooperative Program. The Bureau of Labor Statistics (BLS) developed the procedures and provided technical assistance. The Department of Labor through BLS funded the project and was responsible for the administrative aspects of the program. The Texas Employment Commission collected and analyzed the data, provided the necessary computer services, and published the findings.

Special thanks are extended to the many cooperating employers who provided the survey data which made this publication possible.

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INTRODUCTION

The Occupational Employment Statistics (OES) Program is an ongoing Federal-State Cooperative Program that produces current estimates of industry staffing patterns by occupation through periodic surveys of the nonfarm wage and salary sector of the Texas economy. It consists of three parts: the OES survey, the industry-occupation matrix, and projections. This publication presents the results of the survey phase.

The program's primary purpose is to collect and summarize current occupational data by industry which will be used to measure and define occupational needs and trends. The data will also be used to refine and modify the worker-demand projections generated through the Industry-Occupation Matrix. The OES program has continued to expand and develop in order to meet the changing needs of data users, such as companies considering new plant locations, business firms involved in research projects, vocational education groups developing curricula, as well as Private Industry Councils, job-seekers, guidance counselors, community leaders, chambers of commerce, and students.

Occupational staffing patterns are presented for the education sector. Data was collected for the survey week of April 12, 1988.

This publication and other industry publications will be updated at three-year intervals to provide a better basis for decision-making at all levels of human resource planning and development. Other publications providing industry and occupational data are available from the Texas Employment Commission upon request.

METHODOLOGY

THE SAMPLE

The sample for this survey was selected from the second quarter 1987 ES-202, Quarterly Report of Employment and Wages. The universe was stratified into three-digit Standard Industrial Classification (SIC) codes, each consisting of six employment size classes (1-9, 10-19, 20-49, 50-99, 100-249, and 250 plus). Procedures involved selecting all certainty cases (establishments having 250 or more employees). Firms with fewer than 250 employees were subject to sample selection on a random basis. Each unit was given a weight according to the proportion of firms selected in each size class.

COLLECTION PROCEDURES

The majority of the data was collected by mail. Each selected establishment received a structured schedule for their specific industry. The survey form includes instructions, occupational titles and definitions, establishment identification, and a three-digit SIC description. An open-end feature allows respondents to report occupations not listed or new emerging occupations.

Survey procedures included three follow-up mailings to nonrespondents. The telephone was used extensively to clarify data and to canvass critical nonrespondents.

SAMPLING ERROR

Relative standard error is presented for use in measuring sampling error. The relative standard error is an arithmetic measure of the precision of the estimates. It is the error that results from the difference between data obtained if the same survey methods were applied to collecting identical information from the entire population or universe.

SAMPLING ERROR (Continued)

The relative error expresses the standard error of an estimate as a percentage of that estimate and creates an interval around the estimate. The total estimated employment multiplied by the relative error gives a figure which can be added to and subtracted from the estimate to obtain an upper and lower limit or interval. A level of confidence is then associated with this interval. It is based on the number of relative standard errors that were added to the estimate and is the probability that the interval will cover the true population value. An interval that is based on one relative error has a 68% level of confidence and one based on two relative errors has a level of 95%. For example, suppose an occupation has an estimated employment of 500 and a relative error of 10% is given. This means that with a 68% confidence level, the true number of workers in that occupation would fall between 450 and 550.

NONSAMPLING ERROR

Nonsampling error results from several aspects of the survey process, such as respondent error, processing errors, questionnaire design, and others. It cannot be measured with reasonable precision, therefore, survey procedures and estimating processes have been designed to minimize it.

ESTIMATING PROCEDURES

All establishments in a given estimating cell were assigned a sample weight which was the inverse of the sampling ratio. Employment for each occupation was multiplied by its establishment's sample weight and summed for all sample establishments in one cell. Summed total employment in each establishment was multiplied by that establishment's sample weight and summed for all establishments in the cell. Weighted total establishment employment was expressed as a percent of weighted summed establishment employment to form the ratio for the estimate.

ESTIMATING PROCEDURES (Continued)

This figure is the arithmetic expression of the occupational pattern for the estimated cell. The benchmark figures for the survey month (April 1988) were divided by the weighted total establishment employment. Each weighted reported occupational employment in the cell was multiplied by this ratio to get the estimated employment for each occupation. To aggregate across size classes, all these estimates were added to get one total estimate for each occupation.

CONSIDERATIONS IN USING
THE ESTIMATES

RELATIVE ERROR

From an accuracy standpoint, the higher the relative error, the less accurate the estimate. If relative errors exceeded fifty percent (50%), the employment from these occupations was merged with the employment of a relevant "all other" category.

ROUNDING AND OCCUPATIONS WITH LESS THAN TEN EMPLOYMENT

All estimates were rounded to the nearest ten (10). The percent distribution column may not add up to one hundred percent (100%) because of the computer rounding procedure.

Occupations with employment less than ten (10) were combined with a relevant "all other" category. "N.A." means not applicable.

The employment count reflects the number of jobs and not the number of persons holding jobs.

INDUSTRY CHARACTERISTICS

EDUCATIONAL SERVICES - SIC 82

This major group includes establishments furnishing formal academic or technical courses, correspondence schools, commercial and trade schools, and libraries.

ELEMENTARY AND SECONDARY SCHOOLS - SIC 821

This group consists of institutions below the university level (ordinarily grades 1 through 12) including denominational and sectarian, as well as kindergartens.

COLLEGES, UNIVERSITIES, PROFESSIONAL SCHOOLS, AND JUNIOR COLLEGES SIC 822

This group includes colleges, universities, professional schools, junior colleges, and technical institutes requiring for admission at least a high school diploma or equivalent general academic training, and granting academic degrees, or associate academic degrees, certificates or diplomas.

VOCATIONAL SCHOOLS - SIC 824

This industry group includes data processing schools, business and secretarial schools, and vocational schools. Also included in this industry are establishments primarily engaged in furnishing educational courses by mail.

SCHOOLS AND EDUCATIONAL SERVICES, NOT ELSEWHERE CLASSIFIED - SIC 829

This industry group includes music schools, drama schools, language schools, short-term examination preparatory schools, student exchange programs, curriculum development, and vocational counseling, except rehabilitation counseling.

SIC 82   EDUCATIONAL SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	625,200	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	29,660	4.67	N.A.	N.A.
FINANCIAL MANAGERS	470	0.07	6.24	20.40
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	300	0.04	4.90	18.59
PURCHASING MANAGERS	130	0.02	9.50	12.32
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	540	0.08	16.58	18.99
ADMINISTRATIVE SERVICES MANAGERS	330	0.05	17.54	9.90
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	340	0.05	10.52	8.08
EDUCATION ADMINISTRATORS	18,820	3.00	1.96	90.10
CONSTRUCTION MANAGERS	180	0.02	10.98	9.70
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	280	0.04	11.25	9.49
FOOD SERVICE AND LODGING MANAGERS	1,500	0.23	13.56	45.45
GENERAL MANAGERS AND TOP EXECUTIVES	4,210	0.67	5.76	81.82
ALL OTHER MANAGERS AND ADMINISTRATORS	2,560	0.40	6.86	15.15
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	390,580	62.19	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	1,710	0.26	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	1,260	0.20	8.95	43.03
BUDGET ANALYSTS	110	0.01	7.70	7.68
ALL OTHER FINANCIAL SPECIALISTS	340	0.05	16.08	8.48
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	320	0.05	7.11	14.14
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	520	0.08	11.88	13.33
CONSTRUCTION AND BUILDING INSPECTORS	70	0.01	19.71	3.23
COMPLIANCE OFFICERS AND ENFORCEMENT INSPECTORS, EXCEPT CONSTRUCTION	160	0.02	10.53	6.06
ALL OTHER MANAGEMENT SUPPORT WORKERS	1,500	0.23	11.91	13.13
ENGINEERS	1,270	0.20	18.66	5.45
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	1,630	0.26	17.21	5.05
NATURAL SCIENTISTS AND RELATED WORKERS	3,660	0.58	N.A.	N.A.
PHYSICAL SCIENTISTS	780	0.12	15.34	4.44
LIFE SCIENTISTS	2,880	0.46	13.74	5.25
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	5,570	0.89	19.35	5.45
COMPUTER SCIENTISTS AND RELATED WORKERS	1,990	0.31	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	910	0.14	7.45	14.95
COMPUTER PROGRAMMERS	880	0.14	4.13	17.58
COMPUTER PROGRAMMER AIDES	200	0.03	11.55	6.26
MATHEMATICAL SCIENTISTS AND RELATED WORKERS	120	0.01	N.A.	N.A.
MATHEMATICAL SCIENTISTS	120	0.01	17.07	2.83

SIC 82 EDUCATIONAL SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SOCIAL SCIENTISTS, INCLUDING URBAN AND REGIONAL PLANNERS	1,540	0.23	N.A.	N.A.
PSYCHOLOGISTS	1,040	0.16	4.98	31.52
ALL OTHER SOCIAL SCIENTISTS	500	0.07	N.A.	N.A.
SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	60	0.00	15.47	3.23
SOCIAL WORKERS, EXCEPT MEDICAL AND PSYCHIATRIC	370	0.05	9.61	11.31
NURSING INSTRUCTORS	1,700	0.27	14.12	9.90
GRADUATE ASSISTANTS, TEACHING	22,450	3.59	1.82	11.31
LIFE SCIENCES TEACHERS	6,170	0.98	12.42	14.75
CHEMISTRY TEACHERS	920	0.14	5.50	13.54
PHYSICS TEACHERS	640	0.10	7.83	11.31
ALL OTHER PHYSICAL SCIENCES TEACHERS	810	0.12	7.64	8.69
SOCIAL SCIENCES TEACHERS	4,230	0.67	4.31	15.15
HEALTH SPECIALTIES TEACHERS	2,840	0.45	11.98	7.47
ENGLISH AND FOREIGN LANGUAGE TEACHERS	3,420	0.54	4.84	15.56
ART, DRAMA AND MUSIC TEACHERS	2,600	0.41	9.03	14.55
ENGINEERING TEACHERS	2,640	0.42	10.48	9.09
MATHEMATICAL SCIENCES TEACHERS	1,980	0.31	4.52	15.15
COMPUTER SCIENCE TEACHERS	1,440	0.23	6.78	13.33
ALL OTHER POSTSECONDARY TEACHERS	12,060	1.92	7.05	15.35
TEACHERS, PRESCHOOL AND KINDERGARTEN	12,750	2.03	3.59	59.80
TEACHERS, ELEMENTARY SCHOOL	79,980	12.79	1.33	58.38
TEACHERS, SECONDARY SCHOOL	85,630	13.69	1.18	58.59
TEACHERS, SPECIAL EDUCATION	17,710	2.83	4.08	57.17
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	11,160	1.78	6.07	41.41
INSTRUCTORS, NONVOCATIONAL EDUCATION	2,610	0.41	14.61	9.29
INSTRUCTORS & COACHES, SPORTS AND PHYSICAL TRAINING	8,780	1.40	6.33	45.86
FARM AND HOME MANAGEMENT ADVISORS	960	0.15	36.49	1.01
ALL OTHER TEACHERS AND INSTRUCTORS	32,860	5.25	3.37	34.55
LIBRARIANS, PROFESSIONAL	5,240	0.83	2.51	77.17
TECHNICAL ASSISTANTS, LIBRARY	2,160	0.34	9.34	33.94
AUDIO-VISUAL SPECIALISTS	430	0.06	26.04	23.64
VOCATIONAL AND EDUCATIONAL COUNSELORS	6,590	1.05	1.96	69.70
INSTRUCTIONAL COORDINATORS	3,330	0.53	4.50	54.34
TEACHER AIDES, PARAPROFESSIONAL	22,020	3.52	4.62	54.34
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	8,320	1.31	N.A.	N.A.
SPEECH PATHOLOGISTS AND AUDIOLOGISTS	2,480	0.39	7.15	45.45
REGISTERED NURSES	3,710	0.59	4.34	63.23
LICENSED PRACTICAL NURSES	240	0.03	14.88	5.66
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	1,890	0.30	N.A.	N.A.

SIC 82 EDUCATIONAL SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
WRITERS AND EDITORS	280	0.04	8.39	7.68
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	340	0.05	9.03	10.30
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	5,040	0.80	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,450	0.37	N.A.	N.A.
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	410	0.06	41.71	4.24
SALESPERSONS, RETAIL	350	0.05	11.27	6.06
CASHIERS	1,280	0.20	11.85	23.43
ALL OTHER SALES AND RELATED WORKERS	410	0.06	33.09	2.83
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	84,440	13.38	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	4,260	0.68	8.45	39.39
LIBRARY ASSISTANTS AND BOOKMOBILE DRIVERS	3,390	0.54	5.63	40.20
TEACHERS' AIDES AND EDUCATIONAL ASSISTANTS, CLERICAL	14,590	2.33	4.40	40.81
SECRETARIES	25,980	4.15	1.97	89.90
STENOGRAPHERS	240	0.03	31.86	1.62
RECEPTIONISTS AND INFORMATION CLERKS	1,140	0.18	10.00	21.21
TYPISTS	1,460	0.23	7.05	19.19
TYPISTS, WORD PROCESSING EQUIPMENT	1,580	0.25	7.50	17.37
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	250	0.03	9.57	13.13
CORRESPONDENCE CLERKS	500	0.07	26.57	1.82
FILE CLERKS	190	0.03	17.87	4.44
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	4,840	0.77	3.27	76.36
PAYROLL AND TIMEKEEPING CLERKS	240	0.03	7.80	16.77
BILLING, COST AND RATE CLERKS	180	0.02	28.68	4.04
GENERAL OFFICE CLERKS	18,790	3.00	5.76	60.00
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	1,850	0.27	N.A.	N.A.
DUPLICATING MACHINE OPERATORS	200	0.03	6.84	10.10
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	410	0.06	6.87	13.13
PERIPHERAL EDP EQUIPMENT OPERATORS	70	0.01	11.45	3.03
DATA ENTRY KEYERS, EXCEPT COMPOSING	930	0.14	8.91	13.74
ALL OTHER OFFICE MACHINE OPERATORS	240	0.03	N.A.	N.A.
SWITCHBOARD OPERATORS	380	0.06	6.02	15.56
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	360	0.05	5.62	15.56
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,270	0.19	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	740	0.11	17.60	14.14

SIC 82 EDUCATIONAL SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	320	0.05	9.83	7.88
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	210	0.03	30.34	4.44
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	2,950	0.47	10.67	15.76
SERVICE OCCUPATIONS	74,800	11.88	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	5,740	0.91	5.95	59.19
CROSSING GUARDS	700	0.11	8.34	16.16
GUARDS AND WATCH GUARDS	2,280	0.36	5.80	32.53
ALL OTHER PROTECTIVE SERVICE WORKERS	1,040	0.16	8.36	10.71
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	34,110	5.43	N.A.	N.A.
DINING ROOM AND CAFETERIA ATTENDANTS, AND BARTENDER HELPERS	2,060	0.32	21.73	9.49
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	3,600	0.57	11.54	15.56
COOKS, INSTITUTION OR CAFETERIA	19,340	3.09	3.28	61.62
FOOD PREPARATION WORKERS	8,840	1.41	8.84	31.72
ALL OTHER FOOD SERVICE WORKERS	270	0.04	11.26	3.43
HEALTH SERVICE AND RELATED WORKERS	550	0.08	N.A.	N.A.
NURSING AIDES, ORDERLIES, AND ATTENDANTS	550	0.08	26.86	4.65
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	29,510	4.70	N.A.	N.A.
MAIDS AND HOUSEKEEPING CLEANERS	1,160	0.18	18.32	6.26
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	28,170	4.50	2.02	77.17
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	180	0.02	11.97	3.64
CHILD CARE WORKERS	570	0.09	14.67	7.27
ALL OTHER SERVICE WORKERS	300	0.04	27.04	4.04
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	4,970	0.79	N.A.	N.A.
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM	4,330	0.69	5.41	56.57
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	640	0.10	21.42	4.24
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	38,300	6.02	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	1,030	0.14	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	340	0.05	11.59	12.93
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	180	0.02	7.20	6.67
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	90	0.01	12.19	4.65

SIC 82 EDUCATIONAL SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	100	0.01	10.85	4.65
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	320	0.05	7.05	9.70
INSPECTORS AND RELATED OCCUPATIONS	80	0.01	25.38	1.82
MAINTENANCE REPAIRERS, GENERAL UTILITY	10,520	1.68	5.64	72.32
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	2,130	0.33	N.A.	N.A.
AUTOMOTIVE MECHANICS	170	0.02	8.74	8.69
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	1,960	0.31	6.71	51.31
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	530	0.08	6.28	12.53
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	600	0.09	10.65	8.89
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	1,770	0.26	N.A.	N.A.
CARPENTERS	560	0.08	4.48	13.54
ELECTRICIANS	400	0.06	4.66	12.12
PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINTENANCE	460	0.07	4.63	12.53
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	350	0.05	5.21	12.12
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	570	0.09	14.69	4.65
PRECISION PRODUCTION OCCUPATIONS	150	0.02	17.52	2.42
MACHINE SETTERS, SET-UP OPERATORS, OPERATORS, AND TENDERS	220	0.03	13.34	3.43
PLANT AND SYSTEM WORKERS	200	0.03	13.36	3.64
MOTOR VEHICLE OPERATORS	17,630	2.81	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	230	0.03	8.90	7.88
BUS DRIVERS, SCHOOL	17,400	2.78	4.56	56.97
ALL OTHER TRANSPORTATION AND RELATED WORKERS	80	0.01	22.54	3.03
HELPERS, LABORERS,& MATERIAL MOVERS, HAND- EXCLUDE AGRICULTURE AND FORESTRY LABORERS	2,700	0.43	10.49	18.79
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	90	0.01	N.A.	N.A.

SIC 821 ELEM & SECONDARY SCHOOLS
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	432,920	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	17,810	4.09	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	100	0.02	N.A.	N.A.
EDUCATION ADMINISTRATORS	13,350	3.08	2.06	99.66
FOOD SERVICE AND LODGING MANAGERS	1,220	0.28	16.46	61.90
GENERAL MANAGERS AND TOP EXECUTIVES	2,840	0.65	7.91	94.22
ALL OTHER MANAGERS AND ADMINISTRATORS	260	0.06	21.14	4.42
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	278,160	64.14	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	500	0.11	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	500	0.11	21.03	44.22
COMPLIANCE OFFICERS AND ENFORCEMENT INSPECTORS, EXCEPT CONSTRUCTION	70	0.01	12.63	5.44
ALL OTHER MANAGEMENT SUPPORT WORKERS	230	0.05	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	120	0.02	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	50	0.01	12.62	3.74
COMPUTER PROGRAMMERS	70	0.01	10.88	4.42
SOCIAL SCIENTISTS, INCLUDING URBAN AND REGIONAL PLANNERS	810	0.18	N.A.	N.A.
PSYCHOLOGISTS	810	0.18	5.48	44.22
SOCIAL WORKERS, EXCEPT MEDICAL AND PSYCHIATRIC	350	0.08	10.09	17.69
ALL OTHER POSTSECONDARY TEACHERS	120	0.02	39.81	0.34
TEACHERS, PRESCHOOL AND KINDERGARTEN	12,700	2.93	3.60	97.62
TEACHERS, ELEMENTARY SCHOOL	79,980	18.47	1.33	98.30
TEACHERS, SECONDARY SCHOOL	85,630	19.77	1.18	98.30
TEACHERS, SPECIAL EDUCATION	17,710	4.09	4.08	95.92
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	4,070	0.94	8.48	41.50
INSTRUCTORS & COACHES, SPORTS AND PHYSICAL TRAINING	8,010	1.85	6.89	62.24
ALL OTHER TEACHERS AND INSTRUCTORS	29,310	6.76	0.50	52.38
LIBRARIANS, PROFESSIONAL	4,140	0.95	2.96	98.30
TECHNICAL ASSISTANTS, LIBRARY	1,060	0.24	16.84	33.67
AUDIO-VISUAL SPECIALISTS	150	0.03	4.91	23.13
VOCATIONAL AND EDUCATIONAL COUNSELORS	5,680	1.31	1.80	90.82
INSTRUCTIONAL COORDINATORS	2,370	0.54	5.16	71.77
TEACHER AIDES, PARAPROFESSIONAL	18,670	4.31	4.59	81.97
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	5,830	1.33	N.A.	N.A.
SPEECH PATHOLOGISTS AND AUDIOLOGISTS	2,410	0.55	7.33	73.47
REGISTERED NURSES	2,970	0.68	3.88	92.86
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	450	0.10	N.A.	N.A.

SIC 821 ELEM & SECONDARY SCHOOLS
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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	650	0.15	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	810	0.18	N.A.	N.A.
CASHIERS	810	0.18	18.32	20.41
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	41,230	9.44	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,310	0.30	23.02	33.67
LIBRARY ASSISTANTS AND BOOKMOBILE DRIVERS	2,150	0.49	8.12	48.30
TEACHERS' AIDES AND EDUCATIONAL ASSISTANTS, CLERICAL	14,020	3.23	4.50	60.20
SECRETARIES	13,840	3.19	2.67	97.62
RECEPTIONISTS AND INFORMATION CLERKS	60	0.01	7.60	7.14
TYPISTS	760	0.17	10.06	16.33
TYPISTS, WORD PROCESSING EQUIPMENT	590	0.13	15.78	15.31
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	2,350	0.54	5.04	86.05
PAYROLL AND TIMEKEEPING CLERKS	60	0.01	14.46	8.84
GENERAL OFFICE CLERKS	4,990	1.15	4.77	61.90
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	320	0.06	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	210	0.04	21.11	5.44
ALL OTHER OFFICE MACHINE OPERATORS	110	0.02	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	220	0.04	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	130	0.03	7.80	8.50
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	40	0.00	23.43	1.36
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	50	0.01	25.68	1.36
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	540	0.12	N.A.	N.A.
SERVICE OCCUPATIONS	62,420	14.32	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	5,020	1.15	6.75	80.61
CROSSING GUARDS	680	0.15	8.52	26.53
GUARDS AND WATCH GUARDS	910	0.21	12.30	31.29
ALL OTHER PROTECTIVE SERVICE WORKERS	620	0.14	10.60	8.84
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	30,780	7.08	N.A.	N.A.
DINING ROOM AND CAFETERIA ATTENDANTS, AND BARTENDER HELPERS	1,940	0.44	22.97	11.90
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	3,450	0.79	12.01	22.45
COOKS, INSTITUTION OR CAFETERIA	17,870	4.12	3.44	86.39
FOOD PREPARATION WORKERS	7,460	1.72	10.07	42.52
ALL OTHER FOOD SERVICE WORKERS	60	0.01	19.65	1.36

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
HEALTH SERVICE AND RELATED WORKERS	120	0.02	N.A.	N.A.
NURSING AIDES, ORDERLIES, AND ATTENDANTS	120	0.02	11.22	4.42
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	23,780	5.47	N.A.	N.A.
MAIDS AND HOUSEKEEPING CLEANERS	70	0.01	24.36	0.68
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	23,630	5.45	2.06	95.92
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	80	0.01	22.35	2.04
CHILD CARE WORKERS	470	0.10	17.49	7.14
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	2,740	0.63	N.A.	N.A.
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM	2,740	0.63	7.96	67.35
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	29,750	6.80	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	280	0.06	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	130	0.03	28.02	7.14
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	50	0.01	15.75	4.08
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	100	0.02	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	8,120	1.87	6.45	89.80
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	1,930	0.44	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	1,930	0.44	6.83	82.65
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	140	0.03	17.28	3.40
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	100	0.02	20.67	2.72
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	380	0.07	N.A.	N.A.
CARPENTERS	120	0.02	13.12	3.74
ELECTRICIANS	50	0.01	11.35	3.06
PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINTENANCE	130	0.03	13.49	3.74
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	80	0.01	11.09	3.40
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	70	0.01	19.10	1.70
MOTOR VEHICLE OPERATORS	17,470	4.02	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	120	0.02	9.83	5.44
BUS DRIVERS, SCHOOL	17,350	4.00	4.57	92.18
HELPERS, LABORERS,& MATERIAL MOVERS, HAND- EXCLUDE AGRICULTURE AND FORESTRY LABORERS	1,180	0.27	12.12	20.41

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	80	0.01	N.A.	N.A.

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	179,050	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	9,740	5.38	N.A.	N.A.
FINANCIAL MANAGERS	390	0.21	5.90	74.00
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	250	0.13	4.95	67.00
PURCHASING MANAGERS	110	0.06	10.02	50.00
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	180	0.10	8.53	58.00
ADMINISTRATIVE SERVICES MANAGERS	300	0.16	18.77	39.00
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	330	0.18	10.79	36.00
EDUCATION ADMINISTRATORS	4,430	2.47	4.76	94.00
CONSTRUCTION MANAGERS	170	0.09	11.47	43.00
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	240	0.13	12.81	36.00
FOOD SERVICE AND LODGING MANAGERS	280	0.15	12.39	42.00
GENERAL MANAGERS AND TOP EXECUTIVES	850	0.47	6.08	74.00
ALL OTHER MANAGERS AND ADMINISTRATORS	2,210	1.23	7.29	53.00
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	105,200	58.46	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	1,030	0.56	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	680	0.37	4.81	70.00
BUDGET ANALYSTS	110	0.06	7.84	35.00
ALL OTHER FINANCIAL SPECIALISTS	240	0.13	15.41	32.00
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	290	0.16	7.55	54.00
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	380	0.21	6.48	52.00
CONSTRUCTION AND BUILDING INSPECTORS	70	0.03	19.98	15.00
COMPLIANCE OFFICERS AND ENFORCEMENT INSPECTORS, EXCEPT CONSTRUCTION	90	0.05	16.03	14.00
ALL OTHER MANAGEMENT SUPPORT WORKERS	1,290	0.72	13.54	44.00
ENGINEERS	1,270	0.70	18.86	27.00
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	1,630	0.91	17.25	24.00
NATURAL SCIENTISTS AND RELATED WORKERS	3,660	2.03	N.A.	N.A.
PHYSICAL SCIENTISTS	780	0.43	15.34	22.00
LIFE SCIENTISTS	2,880	1.60	13.74	26.00
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	5,570	3.11	19.35	27.00
COMPUTER SCIENTISTS AND RELATED WORKERS	1,840	1.02	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	860	0.48	7.87	62.00
COMPUTER PROGRAMMERS	800	0.44	4.46	72.00
COMPUTER PROGRAMMER AIDES	180	0.10	12.49	28.00
MATHEMATICAL SCIENTISTS AND RELATED WORKERS	120	0.06	N.A.	N.A.
MATHEMATICAL SCIENTISTS	120	0.06	17.07	14.00

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SOCIAL SCIENTISTS, INCLUDING URBAN AND REGIONAL PLANNERS	730	0.39	N.A.	N.A.
URBAN AND REGIONAL PLANNERS	30	0.01	33.66	2.00
PSYCHOLOGISTS	230	0.12	11.64	26.00
ALL OTHER SOCIAL SCIENTISTS	470	0.26	25.37	12.00
SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	50	0.02	18.17	11.00
SOCIAL WORKERS, EXCEPT MEDICAL AND PSYCHIATRIC	30	0.01	30.37	4.00
RELIGIOUS WORKERS	40	0.02	N.A.	N.A.
CLERGY	40	0.02	23.18	8.00
NURSING INSTRUCTORS	1,680	0.93	14.17	48.00
GRADUATE ASSISTANTS, TEACHING	22,400	12.51	1.82	55.00
LIFE SCIENCES TEACHERS	6,170	3.44	12.42	73.00
CHEMISTRY TEACHERS	920	0.51	5.50	67.00
PHYSICS TEACHERS	640	0.35	7.83	56.00
ALL OTHER PHYSICAL SCIENCES TEACHERS	810	0.45	7.64	43.00
SOCIAL SCIENCES TEACHERS	4,210	2.35	4.27	74.00
HEALTH SPECIALTIES TEACHERS	2,810	1.56	12.00	36.00
ENGLISH AND FOREIGN LANGUAGE TEACHERS	3,420	1.91	4.84	75.00
ART, DRAMA AND MUSIC TEACHERS	2,480	1.38	6.78	70.00
ENGINEERING TEACHERS	2,600	1.45	10.41	44.00
MATHEMATICAL SCIENCES TEACHERS	1,980	1.10	4.52	75.00
COMPUTER SCIENCE TEACHERS	1,410	0.78	6.29	65.00
ALL OTHER POSTSECONDARY TEACHERS	11,900	6.64	7.12	73.00
TEACHERS, PRESCHOOL AND KINDERGARTEN	50	0.02	18.59	9.00
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	3,230	1.80	13.10	37.00
INSTRUCTORS, NONVOCATIONAL EDUCATION	670	0.37	21.94	14.00
INSTRUCTORS & COACHES, SPORTS AND PHYSICAL TRAINING	720	0.40	7.15	42.00
FARM AND HOME MANAGEMENT ADVISORS	960	0.53	36.49	5.00
ALL OTHER TEACHERS AND INSTRUCTORS	3,520	1.96	31.27	15.00
LIBRARIANS, PROFESSIONAL	1,030	0.57	4.27	84.00
TECHNICAL ASSISTANTS, LIBRARY	1,050	0.58	8.74	65.00
AUDIO-VISUAL SPECIALISTS	210	0.11	9.39	48.00
VOCATIONAL AND EDUCATIONAL COUNSELORS	750	0.41	7.47	61.00
INSTRUCTIONAL COORDINATORS	840	0.46	9.68	43.00
TEACHER AIDES, PARAPROFESSIONAL	3,240	1.80	16.84	21.00
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	2,500	1.37	N.A.	N.A.
SPEECH PATHOLOGISTS AND AUDIOLOGISTS	70	0.03	21.55	9.00
REGISTERED NURSES	750	0.41	15.12	40.00
LICENSED PRACTICAL NURSES	200	0.11	17.66	20.00
DIETITIANS AND NUTRITIONISTS	40	0.02	11.89	15.00
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	1,440	0.80	12.38	28.00

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
WRITERS AND EDITORS	280	0.15	8.44	36.00
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	340	0.18	9.11	49.00
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	4,290	2.39	13.07	56.00
SALES AND RELATED OCCUPATIONS	1,010	0.54	N.A.	N.A.
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	40	0.02	20.71	11.00
SALESPERSONS, RETAIL	340	0.18	11.36	29.00
CASHIERS	470	0.26	6.99	54.00
ALL OTHER SALES AND RELATED WORKERS	160	0.08	37.66	7.00
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	40,510	22.50	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,840	1.58	6.91	78.00
LIBRARY ASSISTANTS AND BOOKMOBILE DRIVERS	1,060	0.59	7.00	51.00
TEACHERS' AIDES AND EDUCATIONAL ASSISTANTS, CLERICAL	420	0.23	22.51	12.00
SECRETARIES	11,520	6.43	3.01	97.00
STENOGRAPHERS	230	0.12	32.36	7.00
RECEPTIONISTS AND INFORMATION CLERKS	700	0.39	13.76	45.00
TYPISTS	690	0.38	9.95	44.00
TYPISTS, WORD PROCESSING EQUIPMENT	970	0.54	7.17	39.00
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	230	0.12	10.44	53.00
CORRESPONDENCE CLERKS	500	0.27	26.57	9.00
FILE CLERKS	170	0.09	16.14	17.00
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	2,130	1.18	3.57	85.00
PAYROLL AND TIMEKEEPING CLERKS	170	0.09	9.18	52.00
BILLING, COST AND RATE CLERKS	150	0.08	25.85	15.00
GENERAL OFFICE CLERKS	13,240	7.39	7.94	77.00
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	1,460	0.80	N.A.	N.A.
DUPLICATING MACHINE OPERATORS	180	0.10	7.45	40.00
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	350	0.19	7.55	53.00
PERIPHERAL EDP EQUIPMENT OPERATORS	60	0.03	12.47	14.00
DATA ENTRY KEYERS, EXCEPT COMPOSING	720	0.40	9.77	51.00
ALL OTHER OFFICE MACHINE OPERATORS	150	0.08	N.A.	N.A.
SWITCHBOARD OPERATORS	360	0.20	6.24	70.00
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	320	0.17	5.18	58.00
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,020	0.55	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	600	0.33	21.55	42.00

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	280	0.15	10.84	34.00
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	140	0.07	42.52	17.00
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	2,330	1.30	12.80	47.00
SERVICE OCCUPATIONS	12,090	6.68	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	720	0.40	5.87	56.00
CROSSING GUARDS	20	0.01	37.02	2.00
GUARDS AND WATCH GUARDS	1,340	0.74	5.12	63.00
ALL OTHER PROTECTIVE SERVICE WORKERS	410	0.22	13.64	26.00
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	3,310	1.83	N.A.	N.A.
DINING ROOM AND CAFETERIA ATTENDANTS, AND BARTENDER HELPERS	110	0.06	20.67	11.00
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	150	0.08	22.40	11.00
COOKS, INSTITUTION OR CAFETERIA	1,470	0.82	10.89	50.00
FOOD PREPARATION WORKERS	1,370	0.76	15.49	31.00
ALL OTHER FOOD SERVICE WORKERS	210	0.11	13.31	13.00
HEALTH SERVICE AND RELATED WORKERS	430	0.24	N.A.	N.A.
NURSING AIDES, ORDERLIES, AND ATTENDANTS	430	0.24	34.20	10.00
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	5,500	3.05	N.A.	N.A.
MAIDS AND HOUSEKEEPING CLEANERS	1,090	0.60	19.42	29.00
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	4,310	2.40	6.83	71.00
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	100	0.05	11.97	12.00
CHILD CARE WORKERS	100	0.05	15.48	14.00
ALL OTHER SERVICE WORKERS	260	0.14	30.63	16.00
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	2,230	1.23	N.A.	N.A.
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM	1,590	0.88	5.38	82.00
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	640	0.35	21.42	21.00
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	8,270	4.51	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	750	0.39	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	210	0.11	7.84	41.00
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	140	0.07	7.76	28.00
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	40	0.02	19.10	11.00

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	80	0.04	13.73	18.00
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	280	0.15	7.81	36.00
INSPECTORS AND RELATED OCCUPATIONS	80	0.04	25.93	8.00
MAINTENANCE REPAIRERS, GENERAL UTILITY	2,220	1.23	12.21	78.00
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	210	0.11	N.A.	N.A.
AUTOMOTIVE MECHANICS	170	0.09	8.74	43.00
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	40	0.02	14.97	11.00
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	380	0.21	5.71	52.00
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	470	0.26	12.40	34.00
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	1,390	0.76	N.A.	N.A.
CARPENTERS	440	0.24	4.39	56.00
ELECTRICIANS	350	0.19	5.08	51.00
PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINTENANCE	330	0.18	3.76	51.00
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	270	0.15	5.90	50.00
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	500	0.27	16.60	18.00
PRECISION PRODUCTION OCCUPATIONS	150	0.08	17.52	12.00
MACHINE SETTERS, SET-UP OPERATORS, OPERATORS, AND TENDERS	210	0.11	14.38	13.00
HAND WORKING OCCUPATIONS, INCLUDING ASSEMBLERS & FABRICATORS	40	0.02	16.16	12.00
PLANT AND SYSTEM WORKERS	200	0.11	13.36	18.00
MOTOR VEHICLE OPERATORS	150	0.08	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	110	0.06	15.13	21.00
BUS DRIVERS, SCHOOL	40	0.02	16.28	11.00
ALL OTHER TRANSPORTATION AND RELATED WORKERS	40	0.02	37.90	9.00
MATERIAL MOVING EQUIPMENT OPERATORS	20	0.01	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	20	0.01	26.31	6.00
HELPERS, LABORERS,& MATERIAL MOVERS, HAND- EXCLUDE AGRICULTURE AND FORESTRY LABORERS	1,460	0.81	16.57	30.00

SIC 824 CORRESPONDENCE & VOC SCHOOLS
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	7,990	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,300	16.29	N.A.	N.A.
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	280	3.51	31.79	53.13
ALL OTHER ADMINISTRATIVE MANAGERS	60	0.75	N.A.	N.A.
EDUCATION ADMINISTRATORS	720	9.03	15.66	81.25
GENERAL MANAGERS AND TOP EXECUTIVES	200	2.50	27.00	53.13
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	4,240	53.17	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	80	1.00	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	80	1.00	36.82	28.13
ALL OTHER MANAGEMENT SUPPORT WORKERS	220	2.76	N.A.	N.A.
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	2,870	36.01	12.54	81.25
ALL OTHER TEACHERS AND INSTRUCTORS	400	5.01	N.A.	N.A.
VOCATIONAL AND EDUCATIONAL COUNSELORS	110	1.38	46.46	28.13
INSTRUCTIONAL COORDINATORS	80	1.00	32.87	25.00
ALL OTHER LIBRARIANS, ARCHIVISTS, CURATORS AND OTHER SELECTED EDUCATION RELATED WORKERS	120	1.50	N.A.	N.A.
ALL OTHER TEACHERS, EDUCATORS, LIBRARIANS, CURATORS, ARCHIVISTS, AND RELATED OCCUPATIONS	330	4.14	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	570	7.15	N.A.	N.A.
ALL OTHER SALES AND RELATED WORKERS	570	7.15	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,520	19.04	N.A.	N.A.
TEACHERS' AIDES AND EDUCATIONAL ASSISTANTS, CLERICAL	80	1.00	43.21	18.75
SECRETARIES	370	4.64	16.25	90.63
RECEPTIONISTS AND INFORMATION CLERKS	180	2.25	18.34	65.63
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	290	3.63	24.49	65.63
GENERAL OFFICE CLERKS	300	3.76	26.63	53.13
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	300	3.76	N.A.	N.A.
SERVICE OCCUPATIONS	200	2.50	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	20	0.25	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	170	2.13	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	170	2.13	24.66	50.00
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	160	2.00	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	130	1.63	47.39	28.13

SIC 829 SCHOOLS & EDUCATIONAL SERVICES, NEC
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	4,870	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	810	16.62	N.A.	N.A.
FINANCIAL MANAGERS	20	0.41	41.57	6.45
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	80	1.64	20.55	25.81
ALL OTHER ADMINISTRATIVE MANAGERS	20	0.41	N.A.	N.A.
EDUCATION ADMINISTRATORS	320	6.57	16.56	53.23
GENERAL MANAGERS AND TOP EXECUTIVES	300	6.16	17.18	53.23
ALL OTHER MANAGERS AND ADMINISTRATORS	70	1.43	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	2,920	59.92	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	40	0.82	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	40	0.82	N.A.	N.A.
ALL OTHER POSTSECONDARY TEACHERS	10	0.20	N.A.	N.A.
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	990	20.32	17.89	32.26
INSTRUCTORS, NONVOCATIONAL EDUCATION	1,560	32.03	14.94	45.16
INSTRUCTIONAL COORDINATORS	40	0.82	35.42	11.29
ALL OTHER LIBRARIANS, ARCHIVISTS, CURATORS AND OTHER SELECTED EDUCATION RELATED WORKERS	110	2.25	N.A.	N.A.
ALL OTHER TEACHERS, EDUCATORS, LIBRARIANS, CURATORS, ARCHIVISTS, AND RELATED OCCUPATIONS	80	1.64	N.A.	N.A.
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	90	1.84	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	70	1.43	N.A.	N.A.
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	60	1.23	41.77	4.84
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	890	18.25	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	60	1.23	36.71	14.52
SECRETARIES	250	5.13	18.89	50.00
RECEPTIONISTS AND INFORMATION CLERKS	200	4.10	25.38	29.03
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	60	1.23	23.87	25.81
GENERAL OFFICE CLERKS	220	4.51	27.57	29.03
ALL OTHER MAIL AND MESSAGE DISTRIBUTION WORKERS	20	0.41	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	80	1.64	N.A.	N.A.
SERVICE OCCUPATIONS	70	1.43	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.82	N.A.	N.A.

SIC 829 SCHOOLS & EDUCATIONAL SERVICES, NEC
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	40	0.82	27.52	14.52
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	110	2.25	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	50	1.02	39.67	11.29
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	60	1.23	N.A.	N.A.

GLOSSARY OF TERMS

ES-202, Quarterly Report of Employment and Wages: A listing of all employing units, within the state, covered under the Unemployment Insurance Law.

Establishment: An economic unit which produces goods or services. In most instances, each establishment is a single physical location and is engaged in one predominate type of economic activity for which an industry code is applicable. Establishments are also referred to as reporting units.

Standard Industrial Classification (SIC): The SIC is the classification of establishments by type of economic activity in which engaged. It is a classification or establishment, rather than legal entities or enterprises by kinds of business, and not by occupations or commodities. It encompasses all economic activity.

Universe: Total establishments or units covered under the ES-202, Quarterly Report of Employment and Wages.

S7675-1.22-U

Texas Occupational Employment Statistics

Industry Staffing Patterns

Railroads

TEXAS EMPLOYMENT COMMISSION
In cooperation with the U.S. Department of Labor
Bureau of Labor Statistics
Issued March 1990

02500-009(390)

TEXAS OCCUPATIONAL EMPLOYMENT STATISTICS

INDUSTRY STAFFING PATTERNS
FOR
RAILROADS

May 1988

Prepared by
Texas Employment Commission
Economic Research and Analysis
TEC Building
Austin, Texas 78778

Issued March 1990

PREFACE

This publication summarizes the results of an occupational employment survey of the railroad sector in Texas.

This report is the product of a Federal-State Cooperative Program. The Bureau of Labor Statistics (BLS) developed the procedures and provided technical assistance. The Department of Labor through BLS funded the project and was responsible for the administrative aspects of the program. The Texas Employment Commission collected and analyzed the data, provided the necessary computer services, and published the findings.

Special thanks are extended to the many cooperating employers who provided the survey data which made this publication possible.

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INTRODUCTION

The Occupational Employment Statistics (OES) Program is an ongoing Federal-State Cooperative Program that produces current estimates of industry staffing patterns by occupation through periodic surveys of the nonfarm wage and salary sector of the Texas economy. It consists of three parts: the OES survey, the industry-occupation matrix, and projections. This publication presents the results of the survey phase.

The program's primary purpose is to collect and summarize current occupational data by industry which will be used to measure and define occupational needs and trends. The data will also be used to refine and modify the worker-demand projections generated through the Industry-Occupation Matrix. The OES program has continued to expand and develop in order to meet the changing needs of data users, such as companies considering new plant locations, business firms involved in research projects, vocational education groups developing curricula, as well as Private Industry Councils, job-seekers, guidance counselors, community leaders, chambers of commerce, and students.

Occupational staffing patterns are presented for the railroad sector. Data was collected for the survey week of May 12, 1988.

This publication and other industry publications will be updated at three-year intervals to provide a better basis for decision-making at all levels of human resource planning and development. Other publications providing industry and occupational data are available from the Texas Employment Commission upon request.

METHODOLOGY

THE SAMPLE

Total universe employment was used.

COLLECTION PROCEDURES

The majority of the data was collected by mail. Each selected establishment received a structured schedule for their specific industry. The survey form includes instructions, occupational titles and definitions, establishment identification, and a three-digit Standard Industrial Classification (SIC) description. An open-end feature allows respondents to report occupations not listed or new emerging occupations.

Survey procedures included three follow-up mailings to nonrespondents. The telephone was used extensively to clarify data and to canvass critical nonrespondents.

SAMPLING ERROR

There is no sampling error in railroads because universe employment was used.

NONSAMPLING ERROR

Nonsampling error results from several aspects of the survey process, such as respondent error, processing errors, questionnaire design, and others. It cannot be measured with reasonable precision; therefore, survey procedures and estimating processes have been designed to minimize it.

ESTIMATING PROCEDURES

All establishments in a given estimating cell were assigned a sample weight which was the inverse of the sampling ratio. Employment for each occupation was multiplied by its establishment's sample weight and summed for all sample establishments in one cell. Summed total employment in each establishment was multiplied by that establishment's sample weight and summed for all establishments in the cell. Weighted total establishment employment was expressed as a percent of weighted summed establishment employment to form the ratio for the estimate.

This figure is the arithmetic expression of the occupational pattern for the estimated cell. The benchmark figures for the survey month (May 1988) were divided by the weighted total establishment employment. Each weighted reported occupational employment in the cell was multiplied by this ratio to get the estimated employment for each occupation. To aggregate across size classes, all these estimates were added to get one total estimate for each occupation.

CONSIDERATIONS IN USING
THE ESTIMATES

RELATIVE ERROR

From an accuracy standpoint, the higher the relative error, the less accurate the estimate. If relative errors exceeded fifty percent (50%), the employment from these occupations was merged with the employment of a relevant "all other" category.

ROUNDING AND OCCUPATIONS WITH LESS THAN TEN EMPLOYMENT

All estimates were rounded to the nearest ten (10). The percent distribution column may not add up to one hundred percent (100%) because of the computer rounding procedure.

Occupations with employment less than ten (10) were combined with a relevant "all other" category. "N.A." means not applicable.

The employment count reflects the number of jobs and not the number of persons holding jobs.

RAILROADS

Included in this industry are establishments engaged in line-haul railroad passenger and freight operations. Also included are those establishments engaged in the furnishing of terminal facilities for rail passenger or freight traffic for line-haul service, and in the movement of railroad cars between terminal yards, industrial sidings and other local sites. Terminal companies do not necessarily operate any vehicles themselves, but may operate the stations and terminals.

SIC 401 RAILROADS
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	13,890	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	810	5.81	N.A.	N.A.
FINANCIAL MANAGERS	30	0.21	0.00	34.48
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	40	0.28	0.00	10.34
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	120	0.86	0.00	17.24
ADMINISTRATIVE SERVICES MANAGERS	20	0.14	0.00	13.79
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	200	1.44	0.00	51.72
GENERAL MANAGERS AND TOP EXECUTIVES	210	1.51	0.00	68.97
ALL OTHER MANAGERS AND ADMINISTRATORS	190	1.37	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	440	3.15	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	50	0.36	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	50	0.36	0.00	34.48
ALL OTHER MANAGEMENT SUPPORT WORKERS	170	1.22	N.A.	N.A.
ENGINEERS	80	0.57	N.A.	N.A.
CIVIL ENGINEERS, INCLUDING TRAFFIC	30	0.21	0.00	13.79
ALL OTHER ENGINEERS	50	0.36	0.00	13.79
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	20	0.14	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	20	0.14	0.00	10.34
MATHEMATICAL SCIENTISTS AND RELATED WORKERS	60	0.43	N.A.	N.A.
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS, EXCEPT COMPUTER	60	0.43	0.00	6.90
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	60	0.43	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	170	1.20	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	40	0.28	0.00	20.69
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	80	0.57	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	80	0.57	0.00	31.03
CASHIERS	20	0.14	0.00	10.34
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,670	12.00	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	180	1.30	0.00	41.38
ADJUSTMENT CLERKS	100	0.72	0.00	10.34
RESERVATION AND TRANSPORTATION TICKET AGENTS	40	0.28	0.00	10.34
SECRETARIES	60	0.43	0.00	41.38

SIC 401 RAILROADS
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TYPISTS, WORD PROCESSING EQUIPMENT	60	0.43	0.00	10.34
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	50	0.36	0.00	34.48
PAYROLL AND TIMEKEEPING CLERKS	40	0.28	0.00	17.24
BILLING, COST AND RATE CLERKS	60	0.43	0.00	34.48
GENERAL OFFICE CLERKS	570	4.11	0.00	37.93
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	80	0.57	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	60	0.43	0.00	13.79
DATA ENTRY KEYERS, EXCEPT COMPOSING	20	0.14	0.00	10.34
SWITCHBOARD OPERATORS	20	0.14	0.00	10.34
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	10	0.07	N.A.	N.A.
ALL OTHER MAIL AND MESSAGE DISTRIBUTION WORKERS	10	0.07	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	340	2.45	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	180	1.30	0.00	17.24
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	140	1.01	0.00	24.14
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	20	0.14	0.00	3.45
SERVICE OCCUPATIONS	180	1.28	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	20	0.14	0.00	6.90
RAILROAD AND TRANSIT POLICE AND SPECIAL AGENTS	90	0.65	0.00	13.79
GUARDS AND WATCH GUARDS	40	0.28	0.00	13.79
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	10,620	76.58	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	960	6.92	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	190	1.37	0.00	24.14
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	400	2.89	0.00	20.69
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	240	1.73	0.00	17.24
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	70	0.50	0.00	24.14
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	60	0.43	0.00	10.34
TRANSPORTATION INSPECTORS	60	0.43	0.00	17.24
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	120	0.86	0.00	10.34
MAINTENANCE REPAIRERS, GENERAL UTILITY	10	0.07	0.00	27.59
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	320	2.30	N.A.	N.A.

SIC 401 RAILROADS
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
AUTOMOTIVE MECHANICS	40	0.28	0.00	3.45
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	180	1.30	0.00	27.59
RAIL CAR REPAIRERS	100	0.72	0.00	37.93
SIGNAL OR TRACK SWITCH MAINTAINERS	230	1.66	0.00	34.48
ELECTRICAL INSTALLERS & REPAIRERS, TRANSPORTATION EQUIPMENT TRANSPORTATION EQUIPMENT	340	2.45	0.00	20.69
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	1,140	8.23	N.A.	N.A.
CARPENTERS	90	0.65	0.00	24.14
ELECTRICIANS	50	0.36	0.00	6.90
RAIL-TRACK LAYING AND MAINTENANCE EQUIPMENT OPERATORS OPERATORS	1,000	7.22	0.00	68.97
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	120	0.86	N.A.	N.A.
PRECISION METAL WORKERS	560	4.03	N.A.	N.A.
MACHINISTS	440	3.17	0.00	13.79
SHEET METAL WORKERS	90	0.65	0.00	13.79
BOILERMAKERS	30	0.21	0.00	10.34
MACHINE SETTERS, SET-UP OPERATORS, OPERATORS, AND TENDERS	140	1.01	0.00	6.90
OTHER HAND WORKERS, NEC	170	1.22	N.A.	N.A.
WELDERS AND CUTTERS	170	1.22	0.00	13.79
MOTOR VEHICLE OPERATORS	90	0.65	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	90	0.65	0.00	13.79
RAILROAD CONDUCTORS AND YARDMASTERS	1,040	7.51	0.00	68.97
LOCOMOTIVE ENGINEERS	1,040	7.51	0.00	72.41
RAIL YARD ENGINEERS, DINKEY OPERATORS, AND HOSTLERS	260	1.87	0.00	27.59
LOCOMOTIVE FIRERS	110	0.79	0.00	20.69
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	2,380	17.19	0.00	65.52
ALL OTHER RAIL VEHICLE OPERATIVES AND CONTROLLERS	70	0.50	0.00	13.79
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	20	0.14	0.00	13.79
MATERIAL MOVING EQUIPMENT OPERATORS	110	0.79	N.A.	N.A.
HOIST AND WINCH OPERATORS	50	0.36	0.00	3.45
CRANE AND TOWER OPERATORS	50	0.36	0.00	6.90
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	10	0.07	0.00	6.90
HELPERS, MECHANIC AND REPAIRER	100	0.72	0.00	20.69
VEHICLE WASHERS AND EQUIPMENT CLEANERS	340	2.45	0.00	13.79
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	840	6.06	0.00	20.69

GLOSSARY OF TERMS

Establishment: An economic unit which produces goods or services. In most instances, each establishment is a single physical location and is engaged in one predominate type of economic activity for which an industry code is applicable. Establishments are also referred to as reporting units.

Standard Industrial Classification (SIC): The SIC is the classification of establishments by type of economic activity in which engaged. It is a classification of establishment, rather than legal entities or enterprises by kinds of business, and not by occupations or commodities. It encompasses all economic activity.

Universe: Total establishments or units.

S7675-1.23-U

Texas Occupational Employment Statistics

Industry Staffing Patterns

1988

State and Local Government

TEXAS EMPLOYMENT COMMISSION
In cooperation with the U.S. Department of Labor
Bureau of Labor Statistics
Issued March 1990

02500-010(390)

TEXAS OCCUPATIONAL EMPLOYMENT STATISTICS

INDUSTRY STAFFING PATTERNS
FOR STATE
AND LOCAL GOVERNMENT

May 1988

Prepared by
Texas Employment Commission
Economic Research and Analysis
TEC Building
Austin, Texas 78778

Issued March 1990

PREFACE

This publication summarizes the results of an occupational employment survey of state and local government in Texas.

This report is the product of a Federal-State Cooperative Program. The Bureau of Labor Statistics (BLS) developed the procedures and provided technical assistance. The Department of Labor through BLS funded the project and was responsible for the administrative aspects of the program. The Texas Employment Commission collected and analyzed the data, provided the necessary computer services, and published the findings.

Special thanks are extended to the many cooperating entities who provided the survey data which made this publication possible.

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INTRODUCTION

The Occupational Employment Statistics (OES) Program is an ongoing Federal-State Cooperative Program that produces current estimates of industry staffing patterns by occupation through periodic surveys of the nonfarm wage and salary sector of the Texas economy. It consists of three parts: the OES survey, the industry-occupation matrix, and projections. This publication presents the results of the survey phase.

The program's primary purpose is to collect and summarize current occupational data by industry which will be used to measure and define occupational needs and trends. The data will also be used to refine and modify the worker-demand projections generated through the Industry-Occupation Matrix. The OES program has continued to expand and develop in order to meet the changing needs of data users, such as companies considering new plant locations, business firms involved in research projects, vocational education groups developing curricula, as well as Private Industry Councils, job-seekers, guidance counselors, community leaders, chambers of commerce, and students.

Occupational staffing patterns are presented for the government sector. Data was collected for the survey week of May 12, 1988.

This publication and other industry publications will be updated at three-year intervals to provide a better basis for decision-making at all levels of human resource planning and development. Other publications providing industry and occupational data are available from the Texas Employment Commission upon request.

METHODOLOGY

THE SAMPLE

State Government

Total universe employment was used.

Local Government

The sampling frame was selected from the 2nd Quarter 1987 ES-202, Quarterly Report of Employment and Wages. The universe was stratified into three-digit Standard Industrial Classification (SIC) codes, each consisting of six employment size classes (1-9, 10-19, 20-49, 50-99, 100-249, and 250 plus). Procedures involved selecting all certainty cases (establishments having 250 or more employees). Firms with fewer than 250 employees were subject to sample selection on a random basis. Each unit was given a weight according to the proportion of firms selected in each size class.

COLLECTION PROCEDURES

State Government

Data was provided in printout form by the Position Classification Division of the State Auditor's Office.

Local Government

The majority of the data was collected by mail. Each selected establishment received a structured schedule for their specific industry. The survey form includes instructions, occupational titles and definitions, establishment identification, and a three-digit SIC description. An open-end feature allows respondents to report occupations not listed or new emerging occupations.

Survey procedures included three follow-up mailings to nonrespondents. The telephone was used extensively to clarify data and to canvass critical nonrespondents.

SAMPLING ERROR

State Government

There is no sampling error because universe employment was used.

Local Government

Relative standard error is presented for use in measuring sampling error. The relative standard error is an arithmetic measure of the precision of the estimates. It is the error that results from the difference between data obtained if the same survey methods were applied to collecting identical information from the entire population or universe.

The relative error expresses the standard error of an estimate as a percentage of that estimate and creates an interval around the estimate. The total estimated employment multiplied by the relative error gives a figure which can be added to and subtracted from the estimate to obtain an upper and lower limit or interval. A level of confidence is then associated with this interval. It is based on the number of relative standard errors that were added to the estimate and is the probability that the interval will cover the true population value. An interval that is based on one relative error has a 68% level of confidence and one based on two relative errors has a level of 95%. For example, suppose an occupation has an estimated employment of 500 and a relative error of 10 is given. This means that with a 68% confidence level, the true number of workers in that occupation would fall between 450 and 550.

NONSAMPLING ERROR

Nonsampling error results from several aspects of the survey process, such as respondent error, processing errors, questionnaire design, and others. It cannot be measured with reasonable precision, therefore, survey procedures and estimating processes have been designed to minimize it.

ESTIMATING PROCEDURES

State Government

Procedures are the same as for Local Government, except that state government consists of only one estimating cell.

Local Government

All establishments in a given estimating cell were assigned a sample weight which was the inverse of the sampling ratio. Employment for each occupation was multiplied by its establishment's sample weight and summed for all sample establishments in one cell. Summed total employment in each establishment was multiplied by that establishment's sample weight and summed for all establishments in the cell. Weighted total establishment employment was expressed as a percent of weighted summed establishment employment to form the ratio for the estimate.

This figure is the arithmetic expression of the occupational pattern for the estimated cell. The benchmark figures for the survey month (May 1988) were divided by the weighted total establishment employment. Each weighted reported occupational employment in the cell was multiplied by this ratio to get the estimated employment for each occupation. To aggregate across size classes, all these estimates were added to get one total estimate for each occupation.

CONSIDERATIONS IN USING
THE ESTIMATES

RELATIVE ERROR

From an accuracy standpoint, the higher the relative error, the less accurate the estimate. If relative errors exceeded fifty percent (50%), the employment from these occupations was merged with the employment of a relevant "all other" category.

ROUNDING AND OCCUPATIONS WITH LESS THAN TEN EMPLOYMENT

All estimates were rounded to the nearest ten (10). The percent distribution column may not add up to one hundred percent (100%) because of the computer rounding procedure.

Occupations with employment less than ten (10) were combined with a relevant "all other" category. "N.A." means not applicable.

The employment count reflects the number of jobs and not the number of persons holding jobs.

STATE GOVERNMENT

State government includes all state agencies, regulatory boards, schools and homes, and mental health and mental retardation centers. It also includes the Senate, House of Representatives, and the Supreme Court and the lower state courts. Excluded are hospitals and educational institutions such as elementary and secondary schools, high schools, universities, colleges, junior colleges, and technical institutions. Hospitals and education will be covered in separate surveys.

SIC 902 STATE GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	101,190	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	5,560	5.44	N.A.	N.A.
FINANCIAL MANAGERS	80	0.07	0.00	0.00
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	90	0.08	0.00	0.00
PURCHASING MANAGERS	30	0.02	0.00	0.00
ADMINISTRATIVE SERVICES MANAGERS	20	0.01	0.00	0.00
EDUCATION ADMINISTRATORS	50	0.04	0.00	0.00
CHIEF EXECUTIVES, LEGISLATORS, AND GENERAL ADMINISTRATORS, PUBLIC ADMINISTRATION	480	0.47	0.00	0.00
GENERAL MANAGERS AND TOP EXECUTIVES	3,160	3.12	0.00	0.00
ALL OTHER MANAGERS AND ADMINISTRATORS	1,650	1.63	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	41,540	40.71	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	2,560	2.51	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	1,070	1.05	0.00	0.00
BUDGET ANALYSTS	1,320	1.30	0.00	0.00
ALL OTHER FINANCIAL SPECIALISTS	170	0.16	0.00	0.00
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	390	0.38	0.00	0.00
CLAIMS TAKERS, UNEMPLOYMENT BENEFITS	100	0.09	0.00	0.00
EMPLOYMENT INTERVIEWERS, PRIVATE OR PUBLIC EMPLOYMENT SERVICE	1,680	1.66	0.00	0.00
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	600	0.59	0.00	0.00
CONSTRUCTION AND BUILDING INSPECTORS	40	0.03	0.00	0.00
COMPLIANCE OFFICERS AND ENFORCEMENT INSPECTORS, EXCEPT CONSTRUCTION	20	0.01	0.00	0.00
TAX EXAMINERS, COLLECTORS, AND REVENUE AGENTS	800	0.79	0.00	0.00
ASSESSORS	90	0.08	0.00	0.00
ALL OTHER MANAGEMENT SUPPORT WORKERS	3,420	3.38	0.00	0.00
ENGINEERS	1,010	0.97	N.A.	N.A.
CIVIL ENGINEERS, INCLUDING TRAFFIC	980	0.96	0.00	0.00
ELECTRICAL AND ELECTRONIC ENGINEERS	20	0.01	0.00	0.00
ALL OTHER ENGINEERS	10	0.00	0.00	0.00
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	4,320	4.24	N.A.	N.A.
CIVIL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	3,990	3.94	0.00	0.00
DRAFTERS	210	0.20	0.00	0.00
SURVEYING AND MAPPING TECHNICIANS AND TECHNOLOGISTS	30	0.02	0.00	0.00
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	90	0.08	0.00	0.00
PHYSICAL SCIENTISTS	160	0.15	N.A.	N.A.

SIC 902 STATE GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CHEMISTS, EXCEPT BIOCHEMISTS	160	0.15	0.00	0.00
LIFE SCIENTISTS	310	0.28	N.A.	N.A.
FORESTERS AND CONSERVATION SCIENTISTS	10	0.00	0.00	0.00
BIOLOGICAL SCIENTISTS	270	0.26	0.00	0.00
ALL OTHER LIFE SCIENTISTS	30	0.02	0.00	0.00
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	610	0.60	0.00	0.00
COMPUTER SCIENTISTS AND RELATED WORKERS	3,260	3.21	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	1,320	1.30	0.00	0.00
COMPUTER PROGRAMMERS	1,940	1.91	0.00	0.00
MATHEMATICAL SCIENTISTS AND RELATED WORKERS	130	0.12	N.A.	N.A.
MATHEMATICAL SCIENTISTS	130	0.12	0.00	0.00
SOCIAL SCIENTISTS, INCLUDING URBAN AND REGIONAL PLANNERS	740	0.71	N.A.	N.A.
ECONOMISTS, INCLUDING MARKET RESEARCH ANALYSTS	150	0.14	0.00	0.00
PSYCHOLOGISTS	370	0.36	0.00	0.00
ALL OTHER SOCIAL SCIENTISTS	220	0.21	0.00	0.00
SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	200	0.19	0.00	0.00
SOCIAL WORKERS, EXCEPT MEDICAL AND PSYCHIATRIC	7,320	7.23	0.00	0.00
SOCIAL SERVICE TECHNICIANS	330	0.32	0.00	0.00
RECREATION WORKERS	700	0.69	0.00	0.00
LAW AND RELATED OCCUPATIONS	2,740	2.68	N.A.	N.A.
JUDGES AND MAGISTRATES	530	0.52	0.00	0.00
ADJUDICATORS, HEARINGS OFFICERS, AND JUDICIAL REVIEWERS	160	0.15	0.00	0.00
LAWYERS	1,870	1.84	0.00	0.00
LAW CLERKS	180	0.17	0.00	0.00
LIBRARIANS, PROFESSIONAL	190	0.18	0.00	0.00
VOCATIONAL AND EDUCATIONAL COUNSELORS	610	0.60	0.00	0.00
INSTRUCTIONAL COORDINATORS	300	0.29	0.00	0.00
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	6,900	6.78	N.A.	N.A.
PHYSICIANS AND SURGEONS	170	0.16	0.00	0.00
THERAPISTS	310	0.30	0.00	0.00
REGISTERED NURSES	1,520	1.50	0.00	0.00
LICENSED PRACTICAL NURSES	980	0.96	0.00	0.00
DIETITIANS AND NUTRITIONISTS	80	0.07	0.00	0.00
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	3,840	3.79	0.00	0.00
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	80	0.07	0.00	0.00
TRAFFIC TECHNICIANS	40	0.03	0.00	0.00
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	1,880	1.85	0.00	0.00

SIC 902 STATE GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	24,200	23.77	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,010	0.99	0.00	0.00
COURT CLERKS	290	0.28	0.00	0.00
SECRETARIES	2,160	2.13	0.00	0.00
STENOGRAPHERS	1,000	0.98	0.00	0.00
RECEPTIONISTS AND INFORMATION CLERKS	50	0.04	0.00	0.00
TYPISTS	1,350	1.33	0.00	0.00
TYPISTS, WORD PROCESSING EQUIPMENT	460	0.45	0.00	0.00
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	200	0.19	0.00	0.00
FILE CLERKS	20	0.01	0.00	0.00
STATISTICAL CLERKS	100	0.09	0.00	0.00
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	990	0.97	0.00	0.00
BILLING, COST AND RATE CLERKS	210	0.20	0.00	0.00
GENERAL OFFICE CLERKS	6,700	6.62	0.00	0.00
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	2,020	1.97	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	350	0.34	0.00	0.00
PERIPHERAL EDP EQUIPMENT OPERATORS	430	0.42	0.00	0.00
DATA ENTRY KEYERS, EXCEPT COMPOSING	1,000	0.98	0.00	0.00
ALL OTHER OFFICE MACHINE OPERATORS	240	0.23	0.00	0.00
SWITCHBOARD OPERATORS	100	0.09	0.00	0.00
MESSENGERS	30	0.02	0.00	0.00
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	790	0.77	N.A.	N.A.
DISPATCHERS- POLICE, FIRE, AND AMBULANCE	290	0.28	0.00	0.00
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	500	0.49	0.00	0.00
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	6,720	6.64	0.00	0.00
SERVICE OCCUPATIONS	25,410	25.02	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	1,560	1.53	N.A.	N.A.
POLICE AND DETECTIVE SUPERVISORS	550	0.54	0.00	0.00
ALL OTHER SERVICE SUPERVISORS AND MANAGER/SUPERVISORS	1,010	0.99	0.00	0.00
FIRE INSPECTORS	70	0.06	0.00	0.00
POLICE DETECTIVES	380	0.37	0.00	0.00
POLICE PATROL OFFICERS	2,230	2.20	0.00	0.00
CORRECTION OFFICERS AND JAILERS	7,820	7.73	0.00	0.00
FISH AND GAME WARDENS	470	0.46	0.00	0.00
GUARDS AND WATCH GUARDS	160	0.15	0.00	0.00
ALL OTHER PROTECTIVE SERVICE WORKERS	690	0.68	0.00	0.00
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	1,290	1.26	N.A.	N.A.

SIC 902 STATE GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
COOKS, INSTITUTION OR CAFETERIA	370	0.36	0.00	0.00
FOOD PREPARATION WORKERS	810	0.80	0.00	0.00
ALL OTHER FOOD SERVICE WORKERS	110	0.10	0.00	0.00
HEALTH SERVICE AND RELATED WORKERS	9,260	9.14	N.A.	N.A.
MEDICAL ASSISTANTS	1,680	1.66	0.00	0.00
NURSING AIDES, ORDERLIES, AND ATTENDANTS	7,120	7.03	0.00	0.00
ALL OTHER HEALTH SERVICE WORKERS	460	0.45	0.00	0.00
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	920	0.90	0.00	0.00
AMUSEMENT AND RECREATION ATTENDANTS	80	0.07	0.00	0.00
ALL OTHER SERVICE WORKERS	480	0.47	0.00	0.00
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	680	0.65	N.A.	N.A.
FOREST AND CONSERVATION WORKERS	20	0.01	0.00	0.00
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM	190	0.18	0.00	0.00
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	470	0.46	0.00	0.00
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	3,800	3.62	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	1,420	1.38	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	40	0.03	0.00	0.00
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	480	0.47	0.00	0.00
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	90	0.08	0.00	0.00
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	810	0.80	0.00	0.00
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	580	0.57	0.00	0.00
MACHINERY MAINTENANCE MECHANICS	520	0.51	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS, WATER OR POWER GENERATION PLANT	520	0.51	0.00	0.00
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	80	0.07	N.A.	N.A.
AUTOMOTIVE MECHANICS	80	0.07	0.00	0.00
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	10	0.00	0.00	0.00
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	50	0.04	0.00	0.00
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	130	0.12	N.A.	N.A.
ELECTRICIANS	130	0.12	0.00	0.00

SIC 902 STATE GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MACHINE SETTERS, SET-UP OPERATORS, OPERATORS, AND TENDERS	330	0.32	0.00	0.00
HAND WORKING OCCUPATIONS, INCLUDING ASSEMBLERS & FABRICATORS	80	0.07	0.00	0.00
PLANT AND SYSTEM WORKERS	120	0.11	N.A.	N.A.
STATIONARY ENGINEERS	120	0.11	0.00	0.00
MOTOR VEHICLE OPERATORS	280	0.26	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	40	0.03	0.00	0.00
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	240	0.23	0.00	0.00
ALL OTHER TRANSPORTATION AND RELATED WORKERS	90	0.08	0.00	0.00
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	100	0.09	0.00	0.00

LOCAL GOVERNMENT

Local government includes municipal and county governments and special districts.

Functions of these entities include: law enforcement; water and wastewater services; electric service; water and resource management; individual and family social services; health program administration; highway and street construction and maintenance; public finance, taxation and monetary policies; municipal and county courts, educational program administration; regulation, licensing and inspection; libraries and information centers; outpatient care facilities; airports, fire protection; parks and recreation services; and refuse and sewage systems.

SIC 903 LOCAL GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	237,830	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	10,440	4.31	N.A.	N.A.
FINANCIAL MANAGERS	990	0.41	26.82	80.00
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	240	0.10	11.47	59.17
PURCHASING MANAGERS	210	0.08	33.18	40.00
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	80	0.03	14.12	20.83
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	330	0.13	24.06	38.33
ALL OTHER ADMINISTRATIVE MANAGERS	560	0.23	N.A.	N.A.
MEDICINE AND HEALTH SERVICES MANAGERS	140	0.05	22.72	22.50
CONSTRUCTION MANAGERS	260	0.10	25.22	33.33
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	460	0.19	11.51	44.17
ALL OTHER SUPPORT SERVICES MANAGERS	300	0.12	N.A.	N.A.
CHIEF EXECUTIVES, LEGISLATORS, AND GENERAL ADMINISTRATORS, PUBLIC ADMINISTRATION	1,580	0.66	14.41	69.17
GENERAL MANAGERS AND TOP EXECUTIVES	2,460	1.03	12.16	79.17
ALL OTHER MANAGERS AND ADMINISTRATORS	2,830	1.18	12.77	62.50
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	41,690	17.21	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	2,070	0.86	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	1,620	0.68	17.02	78.33
BUDGET ANALYSTS	200	0.08	13.17	38.33
ALL OTHER FINANCIAL SPECIALISTS	250	0.10	15.52	19.17
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	310	0.13	10.72	54.17
CLAIMS TAKERS, UNEMPLOYMENT BENEFITS	30	0.01	27.90	5.83
EMPLOYMENT INTERVIEWERS, PRIVATE OR PUBLIC EMPLOYMENT SERVICE	70	0.02	12.83	17.50
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	410	0.17	8.88	45.83
MANAGEMENT ANALYSTS	60	0.02	16.69	11.67
CONSTRUCTION AND BUILDING INSPECTORS	1,570	0.66	10.24	51.67
COMPLIANCE OFFICERS AND ENFORCEMENT INSPECTORS, EXCEPT CONSTRUCTION	1,590	0.66	10.67	58.33
TAX EXAMINERS, COLLECTORS, AND REVENUE AGENTS	1,100	0.46	44.05	38.33
ALL OTHER MANAGEMENT SUPPORT WORKERS	2,610	1.09	N.A.	N.A.
ENGINEERS	1,770	0.73	N.A.	N.A.
CIVIL ENGINEERS, INCLUDING TRAFFIC	1,050	0.44	31.15	48.33
ELECTRICAL AND ELECTRONIC ENGINEERS	350	0.14	12.12	13.33
ALL OTHER ENGINEERS	370	0.15	14.52	22.50
ARCHITECTS, EXCEPT LANDSCAPE AND MARINE	150	0.06	15.84	10.00

SIC 903 LOCAL GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SURVEYING AND MAPPING SCIENTISTS	260	0.10	12.99	20.00
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	3,020	1.24	N.A.	N.A.
CIVIL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	560	0.23	8.94	36.67
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	610	0.25	12.85	21.67
DRAFTERS	710	0.29	10.47	44.17
SURVEYING AND MAPPING TECHNICIANS AND TECHNOLOGISTS	510	0.21	47.22	25.83
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	630	0.26	11.35	28.33
PHYSICAL SCIENTISTS	180	0.07	N.A.	N.A.
CHEMISTS, EXCEPT BIOCHEMISTS	180	0.07	8.12	20.83
LIFE SCIENTISTS	730	0.28	N.A.	N.A.
FORESTERS AND CONSERVATION SCIENTISTS	90	0.03	21.05	8.33
AGRICULTURAL AND FOOD SCIENTISTS	160	0.06	47.00	12.50
BIOLOGICAL SCIENTISTS	210	0.08	9.23	11.67
ALL OTHER LIFE SCIENTISTS	270	0.11	12.14	13.33
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	180	0.07	15.18	12.50
COMPUTER SCIENTISTS AND RELATED WORKERS	1,480	0.61	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	740	0.31	32.49	49.17
COMPUTER PROGRAMMERS	560	0.23	22.44	52.50
COMPUTER PROGRAMMER AIDES	180	0.07	17.45	25.83
SOCIAL SCIENTISTS, INCLUDING URBAN AND REGIONAL PLANNERS	820	0.33	N.A.	N.A.
ECONOMISTS, INCLUDING MARKET RESEARCH ANALYSTS	100	0.04	29.79	12.50
URBAN AND REGIONAL PLANNERS	440	0.18	9.80	40.00
PSYCHOLOGISTS	250	0.10	40.73	11.67
ALL OTHER SOCIAL SCIENTISTS	30	0.01	30.11	6.67
SOCIAL WORKERS, EXCEPT MEDICAL AND PSYCHIATRIC	1,920	0.80	12.65	31.67
RECREATION WORKERS	2,680	1.12	19.69	42.50
ALL OTHER SOCIAL SCIENCE RELATED WORKERS	2,940	1.23	N.A.	N.A.
LAW AND RELATED OCCUPATIONS	4,440	1.83	N.A.	N.A.
JUDGES AND MAGISTRATES	1,830	0.76	20.04	60.83
ADJUDICATORS, HEARINGS OFFICERS, AND JUDICIAL REVIEWERS	100	0.04	33.67	5.83
LAWYERS	1,830	0.76	16.20	70.00
LAW CLERKS	200	0.08	38.67	12.50
PARALEGAL PERSONNEL	140	0.05	34.52	15.00
ALL OTHER LEGAL ASSISTANTS AND TECHNICIANS, EXCEPT CLERICAL	340	0.14	21.59	16.67
FARM AND HOME MANAGEMENT ADVISORS	250	0.10	48.21	19.17
ALL OTHER TEACHERS AND INSTRUCTORS	100	0.04	N.A.	N.A.
LIBRARIANS, PROFESSIONAL	1,580	0.66	9.00	56.67
TECHNICAL ASSISTANTS, LIBRARY	1,220	0.51	39.83	36.67
VOCATIONAL AND EDUCATIONAL COUNSELORS	80	0.03	24.91	5.00

SIC 903 LOCAL GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER LIBRARIANS, ARCHIVISTS, CURATORS AND OTHER SELECTED EDUCATION RELATED WORKERS	40	0.01	N.A.	N.A.
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	4,790	1.97	N.A.	N.A.
PHYSICIANS AND SURGEONS	160	0.06	13.93	19.17
THERAPISTS	280	0.11	41.16	5.00
REGISTERED NURSES	830	0.34	18.37	37.50
LICENSED PRACTICAL NURSES	600	0.25	11.49	29.17
EMERGENCY MEDICAL TECHNICIANS	1,340	0.56	19.73	20.83
DIETITIANS AND NUTRITIONISTS	160	0.06	9.30	22.50
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	1,420	0.59	13.26	22.50
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	100	0.04	23.93	19.17
TRAFFIC TECHNICIANS	300	0.12	18.84	27.50
RADIO OPERATORS	130	0.05	21.26	6.67
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	2,710	1.13	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	1,390	0.57	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	60	0.02	17.96	9.17
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	80	0.03	N.A.	N.A.
APPRAISERS, REAL ESTATE	80	0.03	27.69	3.33
CASHIERS	1,080	0.45	9.27	37.50
ALL OTHER SALES AND RELATED WORKERS	170	0.07	18.61	9.17
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	47,950	20.02	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,360	0.99	11.58	73.33
COURT CLERKS	2,530	1.06	18.47	60.83
MUNICIPAL CLERKS	820	0.34	38.91	31.67
LICENSE CLERKS	700	0.29	29.84	21.67
LIBRARY ASSISTANTS AND BOOKMOBILE DRIVERS	1,210	0.50	18.41	34.17
SECRETARIES	8,570	3.60	8.56	95.00
STENOGRAPHERS	510	0.21	15.14	29.17
RECEPTIONISTS AND INFORMATION CLERKS	500	0.21	15.65	32.50
TYPISTS	2,120	0.89	7.23	40.00
TYPISTS, WORD PROCESSING EQUIPMENT	670	0.28	18.43	24.17
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	240	0.10	14.58	42.50
FILE CLERKS	700	0.29	12.47	21.67
STATISTICAL CLERKS	290	0.12	23.51	14.17

SIC 903 LOCAL GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	1,270	0.53	10.55	35.00
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	2,390	1.00	12.95	83.33
PAYROLL AND TIMEKEEPING CLERKS	350	0.14	12.91	50.00
BILLING, COST AND RATE CLERKS	220	0.09	34.14	19.17
GENERAL OFFICE CLERKS	7,610	3.19	5.65	74.17
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	2,380	0.98	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	110	0.04	29.27	7.50
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	700	0.29	35.31	42.50
PERIPHERAL EDP EQUIPMENT OPERATORS	100	0.04	27.24	6.67
DATA ENTRY KEYERS, EXCEPT COMPOSING	1,220	0.51	8.80	50.83
ALL OTHER OFFICE MACHINE OPERATORS	250	0.10	13.02	16.67
SWITCHBOARD OPERATORS	570	0.23	9.60	63.33
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	240	0.10	17.53	23.33
MESSENGERS	120	0.05	15.69	19.17
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	8,640	3.60	N.A.	N.A.
DISPATCHERS- POLICE, FIRE, AND AMBULANCE	4,280	1.79	14.40	68.33
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	400	0.16	16.92	20.83
METER READERS, UTILITIES	2,630	1.10	31.70	46.67
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,040	0.43	12.33	45.83
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	290	0.12	13.61	16.67
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	2,940	1.23	N.A.	N.A.
SERVICE OCCUPATIONS	65,120	27.22	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	8,000	3.34	N.A.	N.A.
FIRE FIGHTING AND PREVENTION SUPERVISORS	3,040	1.27	13.65	51.67
POLICE AND DETECTIVE SUPERVISORS	4,370	1.83	10.76	65.00
ALL OTHER SERVICE SUPERVISORS AND MANAGER/SUPERVISORS	590	0.24	17.73	31.67
FIRE INSPECTORS	670	0.28	13.64	44.17
FOREST FIRE INSPECTORS AND PREVENTION SPECIALISTS	200	0.08	22.78	3.33
FIRE FIGHTERS	13,170	5.53	7.92	47.50
POLICE DETECTIVES	4,810	2.02	9.76	52.50
POLICE PATROL OFFICERS	18,770	7.89	6.23	65.00
CORRECTION OFFICERS AND JAILERS	3,360	1.41	11.94	42.50
PARKING ENFORCEMENT OFFICERS	190	0.07	11.30	25.00
BAILIFFS	680	0.28	15.41	30.83
SHERIFFS AND DEPUTY SHERIFFS	4,650	1.95	21.31	28.33
CROSSING GUARDS	2,020	0.84	20.16	26.67
GUARDS AND WATCH GUARDS	670	0.28	20.42	25.83

SIC 903 LOCAL GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER PROTECTIVE SERVICE WORKERS	1,610	0.67	9.13	49.17
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	840	0.34	N.A.	N.A.
COOKS, INSTITUTION OR CAFETERIA	450	0.18	22.25	33.33
ALL OTHER FOOD SERVICE WORKERS	390	0.16	N.A.	N.A.
HEALTH SERVICE AND RELATED WORKERS	650	0.24	N.A.	N.A.
MEDICAL ASSISTANTS	40	0.01	28.42	3.33
NURSING AIDES, ORDERLIES, AND ATTENDANTS	60	0.02	18.33	7.50
HOME HEALTH AIDES	110	0.04	30.97	3.33
PSYCHIATRIC AIDES	90	0.03	29.99	3.33
ALL OTHER HEALTH SERVICE WORKERS	350	0.14	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	3,260	1.37	10.37	79.17
AMUSEMENT AND RECREATION ATTENDANTS	450	0.18	12.72	19.17
SOCIAL WELFARE SERVICE AIDES	30	0.01	38.84	0.83
CHILD CARE WORKERS	210	0.08	28.56	5.00
ALL OTHER SERVICE WORKERS	880	0.36	17.76	17.50
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	5,290	2.20	N.A.	N.A.
FOREST AND CONSERVATION WORKERS	40	0.01	22.53	3.33
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM	4,840	2.03	25.05	55.83
ANIMAL CARETAKERS, EXCEPT FARM	330	0.13	12.36	23.33
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	80	0.03	24.13	4.17
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	65,950	27.49	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	4,440	1.85	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	1,210	0.50	28.90	53.33
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	1,050	0.44	24.07	35.83
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	500	0.21	19.16	30.83
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	1,680	0.70	10.69	43.33
TRANSPORTATION INSPECTORS	80	0.03	25.48	5.00
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	220	0.09	16.41	12.50
MACHINERY MAINTENANCE MECHANICS	2,530	1.05	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS, WATER OR POWER GENERATION PLANT	2,330	0.97	15.00	41.67
ALL OTHER MACHINERY MAINTENANCE MECHANICS	200	0.08	20.48	13.33

SIC 903 LOCAL GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MACHINERY MAINTENANCE WORKERS	210	0.08	45.20	10.83
MAINTENANCE REPAIRERS, GENERAL UTILITY	4,260	1.79	32.98	50.83
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	3,260	1.35	N.A.	N.A.
AUTOMOTIVE MECHANICS	1,850	0.77	11.38	49.17
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	950	0.39	17.99	26.67
MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	430	0.18	25.22	20.83
RAIL CAR REPAIRERS	30	0.01	40.38	0.83
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	260	0.10	15.50	16.67
PRECISION INSTRUMENT REPAIRERS	170	0.07	16.04	11.67
ELECTRIC METER INSTALLERS AND REPAIRERS	290	0.12	14.15	15.83
MECHANICAL CONTROL AND VALVE INSTALLERS AND REPAIRERS	130	0.05	13.69	13.33
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	610	0.25	14.29	23.33
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	8,950	3.73	N.A.	N.A.
CARPENTERS	300	0.12	9.49	24.17
ELECTRICIANS	1,350	0.56	12.76	37.50
PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINTENANCE	300	0.12	8.78	20.00
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	480	0.20	30.00	16.67
ALL OTHER PLUMBING AND RELATED WORKERS	1,410	0.59	N.A.	N.A.
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	1,150	0.48	21.62	34.17
HIGHWAY MAINTENANCE WORKERS	3,960	1.66	29.83	42.50
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	1,890	0.79	20.70	25.83
PRECISION PRODUCTION OCCUPATIONS	190	0.07	36.21	6.67
MACHINE SETTERS, SET-UP OPERATORS, OPERATORS, AND TENDERS	1,060	0.44	16.51	13.33
HAND WORKING OCCUPATIONS, INCLUDING ASSEMBLERS & FABRICATORS	440	0.18	28.53	15.00
PLANT AND SYSTEM WORKERS	6,090	2.53	N.A.	N.A.
WATER AND LIQUID WASTE TREATMENT PLANT & SYSTEM OPERATORS	4,610	1.93	18.80	45.83
POWER GENERATING PLANT OPERATORS, EXCEPT AUXILIARY EQUIPMENT OPERATORS	600	0.25	13.44	10.00
POWER DISTRIBUTORS AND DISPATCHERS	390	0.16	22.00	6.67
STATIONARY ENGINEERS	40	0.01	28.70	3.33
ALL OTHER PLANT AND SYSTEM OPERATORS	450	0.18	19.63	12.50
MOTOR VEHICLE OPERATORS	6,430	2.68	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	1,830	0.76	18.64	27.50
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	850	0.35	13.54	25.83
BUS DRIVERS	3,750	1.57	23.00	14.17
SERVICE STATION ATTENDANTS	180	0.07	21.86	10.00
ALL OTHER TRANSPORTATION AND RELATED WORKERS	690	0.29	13.97	15.83
MATERIAL MOVING EQUIPMENT OPERATORS	6,270	2.62	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	2,750	1.15	42.60	26.67

SIC 903 LOCAL GOVERNMENT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
OPERATING ENGINEERS	3,320	1.39	20.34	21.67
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	200	0.08	25.10	12.50
HELPERS, MECHANIC AND REPAIRER	2,380	1.00	14.05	24.17
REFUSE COLLECTORS	5,180	2.17	16.09	38.33
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	9,730	4.09	7.84	50.83

GLOSSARY OF TERMS

ES-202, Quarterly Report of Employment and Wages: A listing of all employing units, within the state, covered under the Unemployment Insurance Law.

Establishment: An economic unit which produces goods or services. In most instances, each establishment is a single physical location and is engaged in one predominate type of economic activity for which an industry code is applicable. Establishments are also referred to as reporting units.

Standard Industrial Classification (SIC): The SIC is the classification of establishments by type of economic activity in which engaged. It is a classification of establishment, rather than legal entities or enterprises by kinds of business, and not by occupations or commodities. It encompasses all economic activity.

Universe: Total establishments or units covered under the ES-202, Quarterly Report of Employment and Wages.

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Texas Occupational Employment Statistics

Industry Staffing Patterns

Selected Trade & Regulated Industries

TEXAS EMPLOYMENT COMMISSION
In cooperation with the U.S. Department of Labor
Bureau of Labor Statistics
Issued March 1990

02500-008(390)

TEXAS OCCUPATIONAL EMPLOYMENT STATISTICS

INDUSTRY STAFFING PATTERNS
FOR SELECTED
TRADE and REGULATED INDUSTRIES

2nd QUARTER 1988

Prepared by
Texas Employment Commission
Economic Research and Analysis
TEC Building
Austin, Texas 78778

Issued March 1990

PREFACE

This publication summarizes the results of an occupational employment survey of selected trade and regulated industries in Texas.

This report is the product of a Federal-State Cooperative Program. The Bureau of Labor Statistics (BLS) developed the procedures and provided technical assistance. The Department of Labor through BLS funded the project and was responsible for the administrative aspects of the program. The Texas Employment Commission collected and analyzed the data, provided the necessary computer services, and published the findings.

Special thanks are extended to the many cooperating employers who provided the survey data which made this publication possible.

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INTRODUCTION

The Occupational Employment Statistics (OES) Program is an ongoing Federal-State Cooperative Program that produces current estimates of industry staffing patterns by occupation through periodic surveys of the nonfarm wage and salary sector of the Texas economy. It consists of three parts: the OES survey, the industry-occupation matrix, and projections. This publication presents the results of the survey phase.

The program's primary purpose is to collect and summarize current occupational data by industry which will be used to measure and define occupational needs and trends. The data will also be used to refine and modify the worker-demand projections generated through the Industry-Occupation Matrix. The OES program has continued to expand and develop in order to meet the changing needs of data users, such as companies considering new plant locations, business firms involved in research projects, vocational education groups developing curricula, as well as Private Industry Councils, job-seekers, guidance counselors, community leaders, chambers of commerce, and students.

Occupational staffing patterns are presented for selected trade and regulated industries. Data was provided by Texas employers for the appropriate survey month (April, May, or June 1988).

This publication and other industry publications will be updated at three-year intervals to provide a better basis for decision-making at all levels of human resource planning and development. Other publications providing industry and occupational data are available from the Texas Employment Commission upon request.

METHODOLOGY

THE SAMPLE

The sample for this survey was selected from the second quarter 1987 ES-202, Quarterly Report of Employment and Wages. The universe was stratified into three-digit Standard Industrial Classification (SIC) codes, each consisting of six employment size classes (1-9, 10-19, 20-49, 50-99, 100-249, and 250 plus). Procedures involved selecting all certainty cases (establishments having 250 or more employees). Firms with fewer than 250 employees were subject to sample selection on a random basis. Each unit was given a weight according to the proportion of firms selected in each size class.

COLLECTION PROCEDURES

The majority of the data was collected by mail. Each selected establishment received a structured schedule for their specific industry. The survey form includes instructions, occupational titles and definitions, establishment identification, and a three-digit SIC description. An open-end feature allows respondents to report occupations not listed or new emerging occupations.

Survey procedures included three follow-up mailings to nonrespondents. The telephone was used extensively to clarify data and to canvass critical nonrespondents.

SAMPLING ERROR

Relative standard error is presented for use in measuring sampling error. The relative standard error is an arithmetic measure of the precision of the estimates. It is the error that results from the difference between data obtained if the same survey methods were applied to collecting identical information from the entire population or universe.

SAMPLING ERROR (Continued)

The relative error expresses the standard error of an estimate as a percentage of that estimate and creates an interval around the estimate. The total estimated employment multiplied by the relative error gives a figure which can be added to and subtracted from the estimate to obtain an upper and lower limit or interval. A level of confidence is then associated with this interval. It is based on the number of relative standard errors that were added to the estimate and is the probability that the interval will cover the true population value. An interval that is based on one relative error has a 68% level of confidence and one based on two relative errors has a level of 95%. For example, suppose an occupation has an estimated employment of 500 and a relative error of 10% is given. This means that with a 68% confidence level, the true number of workers in that occupation would fall between 450 and 550.

NONSAMPLING ERROR

Nonsampling error results from several aspects of the survey process, such as respondent error, processing errors, questionnaire design, and others. It cannot be measured with reasonable precision, therefore, survey procedures and estimating processes have been designed to minimize it.

ESTIMATING PROCEDURES

All establishments in a given estimating cell were assigned a sample weight which was the inverse of the sampling ratio. Employment for each occupation was multiplied by its establishment's sample weight and summed for all sample establishments in one cell. Summed total employment in each establishment was multiplied by that establishment's sample weight and summed for all establishments in the cell. Weighted total establishment employment was expressed as a percent of weighted summed establishment employment to form the ratio for the estimate.

ESTIMATING PROCEDURES (Continued)

This figure is the arithmetic expression of the occupational pattern for the estimated cell. The benchmark figures for the appropriate survey month (April, May, or June 1988) were divided by the weighted total establishment employment. Each weighted reported occupational employment in the cell was multiplied by this ratio to get the estimated employment for each occupation. To aggregate across size classes, all these estimates were added to get one total estimate for each occupation.

CONSIDERATIONS IN USING
THE ESTIMATES

RELATIVE ERROR

From an accuracy standpoint, the higher the relative error, the less accurate the estimate. If relative errors exceeded fifty percent (50%), the employment from these occupations was merged with the employment of a relevant "all other" category.

ROUNDING AND OCCUPATIONS WITH LESS THAN TEN EMPLOYMENT

All estimates were rounded to the nearest ten (10). The percent distribution column may not add up to one hundred percent (100%) because of the computer rounding procedure.

Occupations with employment less than ten (10) were combined with a relevant "all other" category. "N.A." means not applicable.

The employment count reflects the number of jobs and not the number of persons holding jobs.

INDUSTRY CHARACTERISTICS

SIC 41 - LOCAL AND SUBURBAN TRANSIT AND INTERURBAN HIGHWAY PASSENGER TRANSPORTATION

This major group includes establishments primarily engaged in furnishing local and suburban passenger transportation, such as those providing passenger transportation within a single municipality, contiguous municipalities, or a municipality and its suburban areas, by bus, rail, or subway, either separately or in combination, and establishments engaged in furnishing transportation to local scenic features. Also included are establishments primarily engaged in furnishing highway passenger transportation and establishments furnishing highway passenger terminal or maintenance facilities. Intercity bus lines are included in this major group.

SIC 411 - LOCAL AND SUBURBAN PASSENGER TRANSPORTATION

This group includes establishments primarily engaged in furnishing road or rail passenger transportation confined principally to a municipality, contiguous municipalities, or a municipality and its suburban areas, other than by taxicab, school bus, or charter service.

SIC 412 - TAXICABS

This group includes establishments primarily engaged in furnishing passenger transportation by automobiles not operated on regular schedules or between fixed terminals. Taxicab fleet owners and organizations are included, regardless of whether drivers are hired or rent their cabs or are otherwise compensated.

SIC 413 - INTERCITY AND RURAL BUS TRANSPORTATION

This group includes establishments primarily engaged in furnishing bus transportation, over regular routes and on regular schedules, the operations of which are principally outside a single municipality, outside one group of contiguous municipalities, and outside a single municipality and its suburban areas.

SIC 41 LOCAL AND INTERURBAN PASSENGER TRANSIT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	10,110	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	690	6.76	N.A.	N.A.
FINANCIAL MANAGERS	10	0.09	24.94	4.90
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	10	0.09	14.69	6.86
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	10	0.09	30.20	5.88
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	320	3.15	15.38	27.45
GENERAL MANAGERS AND TOP EXECUTIVES	310	3.05	11.01	56.86
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	1,480	14.56	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	30	0.29	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	30	0.29	49.20	6.86
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	20	0.19	8.06	9.80
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	1,410	13.89	N.A.	N.A.
EMERGENCY MEDICAL TECHNICIANS	1,410	13.89	15.00	20.59
SALES AND RELATED OCCUPATIONS	50	0.48	N.A.	N.A.
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	40	0.39	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	40	0.39	6.74	5.88
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,480	14.51	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	60	0.59	18.22	14.71
RESERVATION AND TRANSPORTATION TICKET AGENTS	260	2.56	22.23	11.76
SECRETARIES	160	1.57	16.15	36.27
RECEPTIONISTS AND INFORMATION CLERKS	40	0.39	33.63	10.78
TYPISTS	10	0.09	9.91	2.94
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	110	1.08	18.54	25.49
BILLING, COST AND RATE CLERKS	130	1.28	41.26	12.75
GENERAL OFFICE CLERKS	110	1.08	19.47	21.57
SWITCHBOARD OPERATORS	10	0.09	8.32	3.92
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	550	5.39	N.A.	N.A.
DISPATCHERS- POLICE, FIRE, AND AMBULANCE	100	0.98	23.70	14.71
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	410	4.03	9.50	32.35
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	30	0.29	15.56	6.86
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	10	0.09	0.00	0.98

SIC 41 LOCAL AND INTERURBAN PASSENGER TRANSIT
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SERVICE OCCUPATIONS	250	2.44	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	10	0.09	N.A.	N.A.
HEALTH SERVICE AND RELATED WORKERS	110	1.08	N.A.	N.A.
ALL OTHER HEALTH SERVICE WORKERS	110	1.08	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.39	24.87	14.71
BAGGAGE PORTERS AND BELLHOPS	40	0.39	44.52	0.98
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	6,160	60.61	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	90	0.88	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	30	0.29	8.91	11.76
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	60	0.59	23.84	12.75
MAINTENANCE REPAIRERS, GENERAL UTILITY	20	0.19	26.66	5.88
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	570	5.60	N.A.	N.A.
AUTOMOTIVE MECHANICS	100	0.98	14.20	17.65
AUTOMOTIVE BODY AND RELATED REPAIRERS	30	0.29	29.91	3.92
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	440	4.33	4.87	31.37
MOTOR VEHICLE OPERATORS	4,960	48.84	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	80	0.78	35.51	3.92
BUS DRIVERS	3,290	32.41	5.93	34.31
TAXI DRIVERS AND CHAUFFEURS	1,030	10.14	16.18	19.61
ALL OTHER MOTOR VEHICLE OPERATORS	560	5.51	N.A.	N.A.
SERVICE STATION ATTENDANTS	30	0.29	1.36	2.94
HELPERS, MECHANIC AND REPAIRER	60	0.59	29.93	8.82
VEHICLE WASHERS AND EQUIPMENT CLEANERS	330	3.25	9.59	25.49
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	80	0.78	35.39	5.88

SIC 411 LOCAL AND SUBURBAN TRANSPORTATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	4,880	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	250	5.10	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	40	0.81	30.78	27.08
GENERAL MANAGERS AND TOP EXECUTIVES	170	3.48	15.93	64.58
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	1,430	29.29	N.A.	N.A.
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	1,410	28.89	N.A.	N.A.
EMERGENCY MEDICAL TECHNICIANS	1,410	28.89	15.00	43.75
SALES AND RELATED OCCUPATIONS	10	0.20	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	550	11.22	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	30	0.61	17.86	16.67
SECRETARIES	70	1.43	25.77	39.58
RECEPTIONISTS AND INFORMATION CLERKS	30	0.61	38.87	14.58
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	50	1.02	24.47	27.08
GENERAL OFFICE CLERKS	40	0.81	28.77	20.83
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	220	4.49	N.A.	N.A.
DISPATCHERS- POLICE, FIRE, AND AMBULANCE	90	1.84	25.66	27.08
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	110	2.25	11.49	29.17
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	10	0.20	38.90	4.17
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	10	0.20	0.00	2.08
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	110	2.25	N.A.	N.A.
SERVICE OCCUPATIONS	150	3.05	N.A.	N.A.
HEALTH SERVICE AND RELATED WORKERS	110	2.25	N.A.	N.A.
ALL OTHER HEALTH SERVICE WORKERS	110	2.25	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	0.40	16.78	16.67
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	2,490	50.93	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	70	1.42	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	20	0.40	8.05	10.42

SIC 411 LOCAL AND SUBURBAN TRANSPORTATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	50	1.02	25.64	14.58
MAINTENANCE REPAIRERS, GENERAL UTILITY	20	0.40	15.24	6.25
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	210	4.29	N.A.	N.A.
AUTOMOTIVE MECHANICS	40	0.81	26.85	22.92
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	170	3.48	9.85	16.67
MOTOR VEHICLE OPERATORS	2,020	41.37	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	40	0.81	0.00	2.08
BUS DRIVERS	1,370	28.07	10.92	31.25
TAXI DRIVERS AND CHAUFFEURS	590	12.09	25.11	25.00
ALL OTHER MOTOR VEHICLE OPERATORS	20	0.40	N.A.	N.A.
SERVICE STATION ATTENDANTS	30	0.61	0.00	2.08
HELPERS, MECHANIC AND REPAIRER	40	0.81	45.60	6.25
VEHICLE WASHERS AND EQUIPMENT CLEANERS	50	1.02	33.52	18.75
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	40	0.81	7.61	4.17

SIC 412 TAXICABS
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	1,170	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	120	10.25	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	30	2.56	42.75	52.94
ALL OTHER MANAGERS AND ADMINISTRATORS	90	7.69	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	20	1.70	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	10	0.85	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	420	35.86	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	20	1.70	37.72	23.53
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	20	1.70	48.15	35.29
GENERAL OFFICE CLERKS	40	3.41	42.85	35.29
SWITCHBOARD OPERATORS	10	0.85	8.32	23.53
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	280	23.93	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	280	23.93	13.18	76.47
SERVICE OCCUPATIONS	30	2.56	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	570	48.67	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	80	6.82	N.A.	N.A.
AUTOMOTIVE MECHANICS	60	5.12	15.26	41.18
AUTOMOTIVE BODY AND RELATED REPAIRERS	20	1.70	34.70	17.65
MOTOR VEHICLE OPERATORS	460	39.30	N.A.	N.A.
TAXI DRIVERS AND CHAUFFEURS	440	37.60	17.57	47.06
ALL OTHER MOTOR VEHICLE OPERATORS	20	1.70	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	10	0.85	0.00	17.65

SIC 413 INTERCITY & RURAL BUS TRANSPORTATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	2,910	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	230	7.86	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	180	6.16	7.66	33.33
GENERAL MANAGERS AND TOP EXECUTIVES	40	1.36	27.27	38.89
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	10	0.34	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	30	1.02	N.A.	N.A.
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	30	1.02	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	30	1.02	2.23	11.11
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	260	8.87	N.A.	N.A.
SECRETARIES	40	1.36	12.54	33.33
BILLING, COST AND RATE CLERKS	60	2.05	42.01	11.11
GENERAL OFFICE CLERKS	20	0.68	33.18	22.22
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	40	1.36	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	20	0.68	12.45	16.67
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	20	0.68	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	100	3.42	N.A.	N.A.
SERVICE OCCUPATIONS	50	1.70	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	10	0.34	N.A.	N.A.
BAGGAGE PORTERS AND BELLHOPS	40	1.36	44.52	5.56
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	2,330	79.76	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	20	0.68	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	20	0.68	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	220	7.53	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	220	7.53	3.40	61.11
MOTOR VEHICLE OPERATORS	1,760	60.26	N.A.	N.A.
BUS DRIVERS	1,720	58.90	6.53	83.33
ALL OTHER MOTOR VEHICLE OPERATORS	40	1.36	N.A.	N.A.
VEHICLE WASHERS AND EQUIPMENT CLEANERS	270	9.24	10.11	55.56
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	60	2.05	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 42 - MOTOR FREIGHT TRANSPORTATION AND WAREHOUSING

This major group includes establishments furnishing local or long-distance trucking or transfer services, or those engaged in the storage of farm products, furniture and other household goods, or commercial goods of any nature. The operation of terminal facilities for handling freight, with or without maintenance facilities, is also included.

SIC 421 - TRUCKING, LOCAL AND LONG DISTANCE

Included in this category are establishments primarily engaged in furnishing trucking or transfer services without storage, in a single municipality, contiguous municipalities, or a municipality and its suburban areas.

SIC 422 - PUBLIC WAREHOUSING AND STORAGE

Establishments primarily engaged in the warehousing and storage of farm products; warehousing and storage of perishable goods under refrigeration; warehousing and storage of a general line of goods; and warehousing and storage of special products, not elsewhere classified, such as household goods, automobiles (dead storage only), furs (for the trade), textiles, whiskey, and goods at foreign trade zones.

SIC 42 TRUCKING AND WAREHOUSING
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	96,680	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	4,750	4.88	N.A.	N.A.
FINANCIAL MANAGERS	170	0.17	27.49	19.66
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	140	0.14	31.41	11.80
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	20	0.02	12.61	6.18
ALL OTHER ADMINISTRATIVE MANAGERS	240	0.24	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	1,530	1.58	19.09	41.57
GENERAL MANAGERS AND TOP EXECUTIVES	2,420	2.50	15.47	61.80
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	560	0.56	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	110	0.11	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	110	0.11	23.88	14.04
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	90	0.09	17.26	9.55
ENGINEERS	60	0.06	19.26	4.49
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	30	0.03	7.88	2.81
COMPUTER SCIENTISTS AND RELATED WORKERS	160	0.16	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	50	0.05	26.35	4.49
COMPUTER PROGRAMMERS	90	0.09	31.79	6.18
COMPUTER PROGRAMMER AIDES	20	0.02	34.86	4.49
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	110	0.11	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	3,650	3.76	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	70	0.07	13.04	9.55
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	3,100	3.20	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	3,100	3.20	33.86	29.78
CASHIERS	380	0.39	38.10	8.43
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	16,080	16.54	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,510	1.56	24.54	43.26
CREDIT CHECKERS	20	0.02	12.65	2.25
ADJUSTMENT CLERKS	530	0.54	18.56	14.04
SECRETARIES	1,590	1.64	25.26	47.75
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	110	0.11	26.00	10.11
CORRESPONDENCE CLERKS	150	0.15	32.53	3.93
FILE CLERKS	140	0.14	34.51	5.62
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,250	1.29	23.54	39.89

SIC 42 TRUCKING AND WAREHOUSING
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PAYROLL AND TIMEKEEPING CLERKS	120	0.12	26.35	14.61
BILLING, COST AND RATE CLERKS	1,360	1.40	23.62	33.71
GENERAL OFFICE CLERKS	3,320	3.43	17.37	41.57
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	570	0.58	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	140	0.14	36.69	5.62
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	40	0.04	20.67	4.49
PERIPHERAL EDP EQUIPMENT OPERATORS	10	0.01	21.68	1.69
DATA ENTRY KEYERS, EXCEPT COMPOSING	360	0.37	18.72	12.36
ALL OTHER OFFICE MACHINE OPERATORS	20	0.02	12.99	2.25
SWITCHBOARD OPERATORS	100	0.10	36.58	12.92
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	20	0.02	34.27	4.49
ALL OTHER MAIL AND MESSAGE DISTRIBUTION WORKERS	330	0.34	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	4,700	4.84	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	2,440	2.52	21.95	40.45
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,530	1.58	31.44	15.73
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	540	0.55	28.77	20.79
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	190	0.19	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	260	0.26	N.A.	N.A.
SERVICE OCCUPATIONS	590	0.60	N.A.	N.A.
GUARDS AND WATCH GUARDS	220	0.22	37.31	8.43
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	300	0.31	27.14	16.29
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	40	0.04	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	71,010	73.33	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	3,230	3.31	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	220	0.22	15.90	18.54
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	1,710	1.76	26.51	28.09
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	1,160	1.19	15.51	30.34
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	140	0.14	32.56	5.06

SIC 42 TRUCKING AND WAREHOUSING
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TRANSPORTATION INSPECTORS	40	0.04	42.55	2.25
MACHINERY MAINTENANCE MECHANICS	20	0.02	36.51	2.81
MAINTENANCE REPAIRERS, GENERAL UTILITY	2,460	2.54	39.60	28.09
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	3,450	3.56	N.A.	N.A.
AUTOMOTIVE MECHANICS	450	0.46	26.25	13.48
AUTOMOTIVE BODY AND RELATED REPAIRERS	70	0.07	41.94	3.37
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	2,930	3.03	17.89	26.40
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	350	0.36	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	30	0.03	N.A.	N.A.
ELECTRICIANS	20	0.02	29.57	2.25
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	10	0.01	30.97	1.12
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	120	0.12	N.A.	N.A.
MOTOR VEHICLE OPERATORS	47,540	49.16	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	33,200	34.33	9.80	51.12
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	14,340	14.83	14.69	28.09
ALL OTHER TRANSPORTATION AND RELATED WORKERS	560	0.57	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	1,730	1.78	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	1,730	1.78	18.36	26.40
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	150	0.15	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	280	0.28	43.68	4.49
ALL OTHER FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	460	0.47	N.A.	N.A.
HAND PACKERS AND PACKAGERS	940	0.97	48.47	5.06
VEHICLE WASHERS AND EQUIPMENT CLEANERS	330	0.34	35.36	7.30
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	8,930	9.23	13.24	29.21
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	390	0.40	N.A.	N.A.

SIC 421   TRUCKING & COURIER SERVICE, EX AIR
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR - (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	87,410	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	3,740	4.24	N.A.	N.A.
FINANCIAL MANAGERS	150	0.17	31.05	23.71
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	130	0.14	33.80	16.49
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	10	0.01	10.76	7.22
ALL OTHER ADMINISTRATIVE MANAGERS	230	0.26	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	1,160	1.32	22.46	41.24
GENERAL MANAGERS AND TOP EXECUTIVES	1,860	2.12	19.72	58.76
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	460	0.50	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	80	0.09	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	80	0.09	31.35	13.40
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	90	0.10	17.62	16.49
ENGINEERS	50	0.05	22.13	6.19
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	20	0.02	5.20	3.09
COMPUTER SCIENTISTS AND RELATED WORKERS	130	0.14	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	40	0.04	28.01	7.22
COMPUTER PROGRAMMERS	90	0.10	32.77	8.25
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	90	0.10	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	3,220	3.66	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	60	0.06	13.17	14.43
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	2,680	3.06	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	2,680	3.06	38.89	38.14
CASHIERS	380	0.43	38.10	15.46
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	13,300	15.12	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,280	1.46	28.88	42.27
CREDIT CHECKERS	20	0.02	12.65	4.12
ADJUSTMENT CLERKS	440	0.50	21.32	19.59
SECRETARIES	1,370	1.56	29.18	47.42
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	110	0.12	26.23	17.53
CORRESPONDENCE CLERKS	150	0.17	32.53	7.22
FILE CLERKS	130	0.14	36.46	9.28
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	970	1.10	29.99	34.02
PAYROLL AND TIMEKEEPING CLERKS	110	0.12	28.57	21.65

SIC 421   TRUCKING & COURIER SERVICE, EX AIR
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BILLING, COST AND RATE CLERKS	1,200	1.37	26.17	40.21
GENERAL OFFICE CLERKS	2,810	3.21	20.23	42.27
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	500	0.56	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	30	0.03	18.52	3.09
PERIPHERAL EDP EQUIPMENT OPERATORS	10	0.01	21.68	3.09
DATA ENTRY KEYERS, EXCEPT COMPOSING	350	0.40	19.14	19.59
ALL OTHER OFFICE MACHINE OPERATORS	110	0.12	N.A.	N.A.
SWITCHBOARD OPERATORS	80	0.09	40.93	17.53
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	20	0.02	36.00	7.22
ALL OTHER MAIL AND MESSAGE DISTRIBUTION WORKERS	330	0.37	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	3,550	4.05	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	2,370	2.71	22.56	59.79
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	980	1.12	47.43	10.31
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	200	0.22	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	230	0.26	N.A.	N.A.
SERVICE OCCUPATIONS	290	0.32	N.A.	N.A.
GUARDS AND WATCH GUARDS	160	0.18	44.53	9.28
ALL OTHER SERVICE WORKERS	130	0.14	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	66,400	75.86	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	2,630	2.99	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	170	0.19	19.68	23.71
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	1,560	1.78	28.93	30.93
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	900	1.02	19.43	26.80
TRANSPORTATION INSPECTORS	40	0.04	42.55	4.12
MAINTENANCE REPAIRERS, GENERAL UTILITY	2,200	2.51	44.33	20.62
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	3,390	3.87	N.A.	N.A.
AUTOMOTIVE MECHANICS	420	0.48	28.01	16.49
AUTOMOTIVE BODY AND RELATED REPAIRERS	70	0.08	41.94	6.19
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	2,900	3.31	18.06	43.30
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	340	0.38	N.A.	N.A.
OTHER HAND WORKERS, NEC	40	0.04	N.A.	N.A.

SIC 421 TRUCKING & COURIER SERVICE, EX AIR
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER HAND WORKERS, NEC	40	0.04	N.A.	N.A.
MOTOR VEHICLE OPERATORS	46,930	53.68	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	32,840	37.57	9.90	76.29
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	14,090	16.11	14.94	36.08
ALL OTHER TRANSPORTATION AND RELATED WORKERS	560	0.64	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	670	0.76	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	670	0.76	40.12	13.40
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	130	0.14	N.A.	N.A.
ALL OTHER FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	450	0.51	N.A.	N.A.
VEHICLE WASHERS AND EQUIPMENT CLEANERS	320	0.36	36.61	12.37
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	8,400	9.60	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	300	0.34	N.A.	N.A.

SIC 422 PUBLIC WAREHOUSING & STORAGE
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	9,170	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,010	10.96	N.A.	N.A.
FINANCIAL MANAGERS	20	0.21	27.75	15.79
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	370	4.02	36.18	42.11
GENERAL MANAGERS AND TOP EXECUTIVES	570	6.19	14.49	68.42
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	90	0.97	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	30	0.32	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	30	0.32	33.22	14.47
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	60	0.65	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	410	4.45	N.A.	N.A.
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	410	4.45	N.A.	N.A.
ALL OTHER SALES REPRESENTATIVES AND SALESPERSONS, SERVICE	410	4.45	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,740	29.72	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	230	2.50	20.27	43.42
ADJUSTMENT CLERKS	90	0.97	32.63	7.89
SECRETARIES	220	2.39	19.21	47.37
RECEPTIONISTS AND INFORMATION CLERKS	20	0.21	25.65	10.53
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	280	3.04	18.88	47.37
PAYROLL AND TIMEKEEPING CLERKS	10	0.10	45.41	6.58
BILLING, COST AND RATE CLERKS	150	1.63	42.28	25.00
GENERAL OFFICE CLERKS	510	5.54	19.88	40.79
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	50	0.54	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	50	0.54	44.16	7.89
SWITCHBOARD OPERATORS	10	0.10	43.63	7.89
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,120	12.16	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	50	0.54	41.24	13.16
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	540	5.86	20.75	23.68
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	380	4.13	34.83	36.84
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	150	1.63	N.A.	N.A.
SERVICE OCCUPATIONS	300	3.25	N.A.	N.A.

SIC 422 PUBLIC WAREHOUSING & STORAGE
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER PROTECTIVE SERVICE WORKERS	60	0.65	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	240	2.60	31.52	26.32
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	40	0.43	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	4,580	49.68	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	550	5.96	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	50	0.54	19.77	13.16
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	150	1.63	22.95	26.32
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	260	2.82	17.18	35.53
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	90	0.97	23.90	6.58
MACHINERY MAINTENANCE MECHANICS	20	0.21	36.51	6.58
MAINTENANCE REPAIRERS, GENERAL UTILITY	260	2.82	16.28	38.16
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	30	0.32	N.A.	N.A.
AUTOMOTIVE MECHANICS	30	0.32	37.46	10.53
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	30	0.31	N.A.	N.A.
ELECTRICIANS	20	0.21	33.75	3.95
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	10	0.10	30.97	2.63
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	120	1.30	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	80	0.86	N.A.	N.A.
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	80	0.86	35.57	5.26
MOTOR VEHICLE OPERATORS	610	6.62	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	360	3.91	27.78	21.05
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	250	2.71	28.25	19.74
MATERIAL MOVING EQUIPMENT OPERATORS	1,060	11.52	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	1,060	11.52	16.25	43.42
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	20	0.21	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	60	0.65	37.88	1.32
HAND PACKERS AND PACKAGERS	570	6.19	27.88	9.21
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	1,130	12.28	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 44 - WATER TRANSPORTATION

This major group includes establishments engaged in freight and passenger transportation on the open seas or inland waters, and establishments furnishing such incidental services as lighterage, towing, and canal operation. This major group also includes excursion boats, sightseeing boats, and water taxis.

SIC 441 - DEEP SEA FOREIGN TRANSPORTATION OF FREIGHT

This group includes establishments primarily engaged in operating vessels for the transportation of freight on the deep seas between the United States and foreign ports. Establishments operating vessels for the transportation of freight which travel to foreign ports and also to noncontiguous territories are classified in this industry.

SIC 449 - SERVICES INCIDENTAL TO WATER TRANSPORTATION

This group includes establishments primarily engaged in activities directly related to marine cargo handling from the time cargo, for or from a vessel, arrives at shipside, dock, pier, terminal, staging area, or in-transit area until cargo loading or unloading operations are completed. Cargo handling operations carried on by transportation companies and separately reported are classified here. This industry includes the operation and maintenance of piers, docks, and associated buildings and facilities.

SIC 44 WATER TRANSPORTATION
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	14,590	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	720	4.91	N.A.	N.A.
FINANCIAL MANAGERS	30	0.20	45.81	15.24
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	40	0.27	24.83	12.38
PURCHASING MANAGERS	10	0.06	17.13	7.62
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	270	1.85	19.94	42.86
GENERAL MANAGERS AND TOP EXECUTIVES	250	1.71	22.12	49.52
ALL OTHER MANAGERS AND ADMINISTRATORS	70	0.48	20.27	10.48
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	480	3.25	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	70	0.48	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	70	0.48	21.96	24.76
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	20	0.13	9.31	6.67
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	20	0.13	9.22	7.62
ENGINEERS	190	1.30	N.A.	N.A.
ALL OTHER ENGINEERS	190	1.30	N.A.	N.A.
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	20	0.13	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	10	0.06	N.A.	N.A.
COMPUTER PROGRAMMERS	10	0.06	26.11	4.76
RADIO OPERATORS	70	0.48	3.58	6.67
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	80	0.54	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	460	3.14	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	20	0.13	24.72	6.67
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	170	1.16	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	170	1.16	28.39	20.00
ALL OTHER SALES AND RELATED WORKERS	270	1.85	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,300	8.84	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	70	0.48	21.44	16.19
SECRETARIES	270	1.85	16.09	48.57
RECEPTIONISTS AND INFORMATION CLERKS	20	0.13	33.79	8.57
TYPISTS	20	0.13	21.16	3.81
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	160	1.09	16.04	35.24
PAYROLL AND TIMEKEEPING CLERKS	20	0.13	13.88	8.57

SIC 44 WATER TRANSPORTATION
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL OFFICE CLERKS	230	1.58	16.06	33.33
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	60	0.39	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	10	0.06	28.38	4.76
DATA ENTRY KEYERS, EXCEPT COMPOSING	30	0.20	35.29	4.76
ALL OTHER OFFICE MACHINE OPERATORS	20	0.13	N.A.	N.A.
SWITCHBOARD OPERATORS	20	0.13	39.40	7.62
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	210	1.42	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	60	0.41	24.43	11.43
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	20	0.13	30.46	3.81
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	20	0.13	35.00	5.71
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	110	0.75	42.74	15.24
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	220	1.51	N.A.	N.A.
SERVICE OCCUPATIONS	390	2.65	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	30	0.20	21.15	8.57
ALL OTHER PROTECTIVE SERVICE WORKERS	60	0.41	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	240	1.64	17.25	10.48
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.27	27.41	11.43
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	30	0.20	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	11,120	76.30	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	160	1.09	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	50	0.34	29.36	14.29
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	110	0.75	23.44	20.00
MACHINERY MAINTENANCE MECHANICS	210	1.44	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS, MARINE EQUIPMENT	210	1.44	15.67	14.29
MAINTENANCE REPAIRERS, GENERAL UTILITY	130	0.89	30.29	18.10
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	90	0.61	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	20	0.13	36.18	4.76
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	70	0.48	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	250	1.71	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	10	0.06	N.A.	N.A.

SIC 44 WATER TRANSPORTATION
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ELECTRICIANS	10	0.06	48.39	2.86
OTHER HAND WORKERS, NEC	20	0.13	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	20	0.13	N.A.	N.A.
MOTOR VEHICLE OPERATORS	10	0.06	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	10	0.06	19.98	4.76
CAPTAINS, WATER VESSEL	700	4.81	15.16	40.95
MATES, SHIP, BOAT, AND BARGE	590	4.05	8.76	26.67
PILOTS, SHIP	140	0.96	39.95	3.81
ABLE SEAMEN	970	6.66	11.24	28.57
ORDINARY SEAMEN AND MARINE OILERS	880	6.04	8.01	27.62
SHIP ENGINEERS	490	3.36	9.26	16.19
ALL OTHER WATER TRANSPORTATION WORKERS	90	0.61	N.A.	N.A.
ALL OTHER TRANSPORTATION AND RELATED WORKERS	100	0.68	1.20	1.90
MATERIAL MOVING EQUIPMENT OPERATORS	410	2.80	N.A.	N.A.
LONGSHORE EQUIPMENT OPERATORS	240	1.64	40.22	6.67
CRANE AND TOWER OPERATORS	30	0.20	27.67	5.71
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	140	0.96	36.88	4.76
STEVEDORES, EXCEPT EQUIPMENT OPERATORS	4,950	34.02	5.43	20.95
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	950	6.52	21.27	17.14
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	60	0.41	N.A.	N.A.

SIC 441 DEEP SEA FOREIGN TRANSPORTATION
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	2,930	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	120	4.03	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	50	1.68	20.94	47.37
GENERAL MANAGERS AND TOP EXECUTIVES	20	0.67	19.83	47.37
ALL OTHER MANAGERS AND ADMINISTRATORS	50	1.68	N.A.	N.A
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	200	6.71	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	20	0.67	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	20	0.67	37.94	21.05
ENGINEERS	30	1.00	N.A.	N.A.
MARINE ENGINEERS	20	0.67	25.31	21.05
ALL OTHER ENGINEERS	10	0.33	34.05	15.79
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	20	0.67	N.A.	N.A.
RADIO OPERATORS	60	2.02	3.97	21.05
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	70	2.35	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	80	2.69	N.A.	N.A.
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	50	1.68	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	50	1.68	36.32	21.05
ALL OTHER SALES AND RELATED WORKERS	30	1.01	27.78	10.53
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	300	10.05	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	20	0.67	33.16	21.05
SECRETARIES	40	1.34	6.62	57.89
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	20	0.67	27.37	26.32
BILLING, COST AND RATE CLERKS	10	0.33	27.39	21.05
GENERAL OFFICE CLERKS	70	2.35	31.21	36.84
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	10	0.33	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	10	0.33	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	60	2.01	N.A.	N.A.
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	10	0.33	45.62	10.53
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	20	0.67	29.94	26.32
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	30	1.01	41.79	10.53
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	60	2.02	49.38	15.79

SIC 441 DEEP SEA FOREIGN TRANSPORTATION
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SERVICE OCCUPATIONS	210	7.05	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	10	0.33	10.63	21.05
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	170	5.72	5.26	42.11
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	0.67	15.66	21.05
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,950	65.63	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	50	1.68	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	20	0.67	10.08	31.58
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	30	1.01	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS	140	4.71	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS, MARINE EQUIPMENT	140	4.71	21.90	21.05
CAPTAINS, WATER VESSEL	150	5.05	7.10	68.42
MATES, SHIP, BOAT, AND BARGE	320	10.77	10.91	57.89
ABLE SEAMEN	510	17.17	9.59	52.63
ORDINARY SEAMEN AND MARINE OILERS	260	8.75	12.86	42.11
SHIP ENGINEERS	270	9.09	2.58	42.11
ALL OTHER WATER TRANSPORTATION WORKERS	70	2.35	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	200	6.73	19.72	15.79

SIC 449 SERV INCIDENTAL TO WATER TRANSPORT
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	9,790	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	420	4.27	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	60	0.61	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	150	1.53	18.77	34.33
GENERAL MANAGERS AND TOP EXECUTIVES	170	1.73	24.27	47.76
ALL OTHER MANAGERS AND ADMINISTRATORS	40	0.40	24.36	10.45
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	180	1.82	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	30	0.30	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	30	0.30	39.27	16.42
ENGINEERS	130	1.32	N.A.	N.A.
ALL OTHER ENGINEERS	130	1.32	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	350	3.57	N.A.	N.A.
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	100	1.02	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	100	1.02	29.87	19.40
ALL OTHER SALES AND RELATED WORKERS	250	2.55	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	780	7.91	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	40	0.40	30.43	16.42
SECRETARIES	190	1.93	22.21	40.30
RECEPTIONISTS AND INFORMATION CLERKS	10	0.10	44.68	8.96
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	120	1.22	19.76	40.30
BILLING, COST AND RATE CLERKS	70	0.71	33.61	19.40
GENERAL OFFICE CLERKS	150	1.53	19.67	34.33
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	120	1.21	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	30	0.30	49.94	7.46
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	90	0.91	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	80	0.81	N.A.	N.A.
SERVICE OCCUPATIONS	140	1.42	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	20	0.20	37.11	7.46
ALL OTHER PROTECTIVE SERVICE WORKERS	50	0.51	N.A.	N.A.
ALL OTHER SERVICE WORKERS	70	0.71	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	30	0.30	N.A.	N.A.

SIC 449 SERV INCIDENTAL TO WATER TRANSPORT
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	7,870	80.21	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	70	0.71	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	70	0.71	26.03	23.88
MACHINERY MAINTENANCE MECHANICS	30	0.30	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS, MARINE EQUIPMENT	30	0.30	44.89	8.96
MAINTENANCE REPAIRERS, GENERAL UTILITY	100	1.02	33.33	19.40
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	80	0.81	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	20	0.20	36.18	7.46
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	60	0.61	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	240	2.44	N.A.	N.A.
OTHER HAND WORKERS, NEC	20	0.20	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	20	0.20	N.A.	N.A.
CAPTAINS, WATER VESSEL	420	4.28	24.99	32.84
MATES, SHIP, BOAT, AND BARGE	80	0.81	23.07	14.93
ABLE SEAMEN	270	2.75	35.55	19.40
ORDINARY SEAMEN AND MARINE OILERS	240	2.44	24.29	19.40
SHIP ENGINEERS	140	1.42	30.51	10.45
ALL OTHER WATER TRANSPORTATION WORKERS	20	0.20	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	400	4.06	N.A.	N.A.
LONGSHORE EQUIPMENT OPERATORS	230	2.34	41.31	8.96
CRANE AND TOWER OPERATORS	30	0.30	27.67	8.96
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	140	1.42	36.88	7.46
STEVEDORES, EXCEPT EQUIPMENT OPERATORS	4,950	50.51	5.43	32.84
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	740	7.55	26.70	20.90
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	90	0.91	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 45 - TRANSPORTATION BY AIR

This major group includes establishments engaged in furnishing domestic and foreign transportation by air and also those operating airports and flying fields and furnishing terminal services.

SIC 451 - AIR TRANSPORTATION, SCHEDULED, AND AIR COURIER SERVICES

Included in this category are establishments engaged in furnishing air delivery of individually addressed letters, parcels, and packages (generally under 100 pounds), except by the U.S. Postal Service. While these establishments deliver letters, parcels, and packages by air, the initial pick-up and the final delivery are often made by other modes of transportation, such as by truck, bicycle, or motorcycle. Separate establishments of air courier companies engaged in providing pick-up and delivery only; "drop-off points;" or distribution centers are all classified in this industry.

SIC 458 - AIRPORTS, FLYING FIELDS, AND AIRPORT TERMINAL SERVICES

This industry includes establishments primarily engaged in operating and maintaining airports and flying fields; in servicing, repairing (except on a factory basis), maintaining, and storing aircraft; and in furnishing coordinated handling services for airfreight or passengers at airports. Also included are private establishments primarily engaged in air traffic control operations.

SIC 45 TRANSPORTATION BY AIR
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	61,540	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,430	3.91	N.A.	N.A.
FINANCIAL MANAGERS	130	0.21	17.33	15.91
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	320	0.51	12.38	23.86
ADMINISTRATIVE SERVICES MANAGERS	120	0.19	21.85	7.95
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	20	0.03	27.84	5.68
ALL OTHER ADMINISTRATIVE MANAGERS	210	0.34	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	710	1.15	9.37	51.14
GENERAL MANAGERS AND TOP EXECUTIVES	600	0.97	14.85	54.55
ALL OTHER MANAGERS AND ADMINISTRATORS	320	0.51	8.71	14.77
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	2,590	4.12	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	290	0.46	N.A.	N.A.
BUDGET ANALYSTS	30	0.04	3.76	3.41
ALL OTHER FINANCIAL SPECIALISTS	260	0.42	N.A.	N.A.
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	60	0.09	15.23	15.91
ALL OTHER MANAGEMENT SUPPORT WORKERS	760	1.23	5.78	7.95
ENGINEERS	130	0.19	N.A.	N.A.
AERONAUTICAL AND ASTRONAUTICAL ENGINEERS	40	0.06	36.84	4.55
ELECTRICAL AND ELECTRONIC ENGINEERS	60	0.09	20.98	7.95
ALL OTHER ENGINEERS	30	0.04	N.A.	N.A.
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	100	0.15	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	60	0.09	13.39	13.64
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	40	0.06	43.43	6.82
COMPUTER SCIENTISTS AND RELATED WORKERS	460	0.74	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	310	0.50	10.20	3.41
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	150	0.24	N.A.	N.A.
MATHEMATICAL SCIENTISTS AND RELATED WORKERS	110	0.17	N.A.	N.A.
ALL OTHER OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYST EXCEPT COMPUTER AND MATHEMATICAL SCIENTISTS SCIENTISTS	110	0.17	N.A.	N.A.
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	260	0.42	11.07	10.23
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	20	0.03	10.86	1.14
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	400	0.64	N.A.	N.A.

SIC 45 TRANSPORTATION BY AIR
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SALES AND RELATED OCCUPATIONS	890	1.42	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	240	0.38	8.60	10.23
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	350	0.56	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	310	0.50	30.26	21.59
TRAVEL AGENTS	40	0.06	17.36	4.55
ALL OTHER SALES AND RELATED WORKERS	300	0.48	15.35	13.64
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	20,190	32.69	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	440	0.71	13.91	26.14
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	730	1.18	N.A.	N.A.
RESERVATION AND TRANSPORTATION TICKET AGENTS	12,270	19.93	4.99	27.27
SECRETARIES	730	1.18	11.83	55.68
TYPISTS	30	0.04	8.02	5.68
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	100	0.16	6.22	12.50
CORRESPONDENCE CLERKS	30	0.04	8.14	2.27
FILE CLERKS	20	0.03	18.48	3.41
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	310	0.50	12.45	34.09
PAYROLL AND TIMEKEEPING CLERKS	30	0.04	12.75	14.77
BILLING, COST AND RATE CLERKS	80	0.12	41.49	12.50
GENERAL OFFICE CLERKS	230	0.37	28.89	25.00
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	70	0.10	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	20	0.03	24.48	7.95
DATA ENTRY KEYERS, EXCEPT COMPOSING	10	0.01	20.15	4.55
ALL OTHER OFFICE MACHINE OPERATORS	40	0.06	10.50	1.14
SWITCHBOARD OPERATORS	20	0.03	22.67	7.95
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	4,610	7.47	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	210	0.34	15.88	22.73
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	310	0.50	13.62	12.50
TRANSPORTATION AGENTS	3,680	5.97	15.13	18.18
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	410	0.66	16.87	22.73
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	490	0.79	N.A.	N.A.
SERVICE OCCUPATIONS	10,800	17.51	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	290	0.47	11.70	18.18
ALL OTHER PROTECTIVE SERVICE WORKERS	420	0.68	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	60	0.09	38.25	4.55

SIC 45 TRANSPORTATION BY AIR
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	300	0.48	17.61	26.14
BAGGAGE PORTERS AND BELLHOPS	250	0.40	29.14	10.23
FLIGHT ATTENDANTS	8,980	14.58	2.19	12.50
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	24,640	39.88	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	950	1.53	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	450	0.73	17.67	28.41
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	140	0.22	36.30	12.50
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	360	0.58	8.68	7.95
TRANSPORTATION INSPECTORS	240	0.38	13.96	11.36
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	220	0.35	24.84	7.95
MACHINERY MAINTENANCE MECHANICS	30	0.04	25.37	2.27
MAINTENANCE REPAIRERS, GENERAL UTILITY	970	1.57	13.89	25.00
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	5,520	8.95	N.A.	N.A.
AIRCRAFT MECHANICS	4,680	7.60	7.49	56.82
AIRCRAFT ENGINE SPECIALISTS	670	1.08	11.79	22.73
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	170	0.27	N.A.	N.A.
RADIO MECHANICS	60	0.09	47.50	6.82
ELECTRONICS REPAIRERS, COMMERCIAL AND INDUSTRIAL EQUIPMENT	90	0.14	21.68	6.82
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	80	0.12	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	190	0.30	26.68	4.55
PRECISION METAL WORKERS	50	0.08	N.A.	N.A.
MACHINISTS	50	0.08	49.52	4.55
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	80	0.12	N.A.	N.A.
PAINTERS, TRANSPORTATION EQUIPMENT	80	0.12	16.56	7.95
OTHER HAND WORKERS, NEC	70	0.11	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	70	0.11	N.A.	N.A.
PLANT AND SYSTEM WORKERS	20	0.03	1.88	2.27
MOTOR VEHICLE OPERATORS	2,800	4.53	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	240	0.38	19.68	7.95
ALL OTHER MOTOR VEHICLE OPERATORS	2,560	4.15	N.A.	N.A.
AIRCRAFT PILOTS AND FLIGHT ENGINEERS	7,260	11.79	7.17	28.41
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	50	0.08	N.A.	N.A.

SIC 45 TRANSPORTATION BY AIR
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
VEHICLE WASHERS AND EQUIPMENT CLEANERS	210	0.34	20.92	13.64
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	5,500	8.93	6.86	34.09
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	250	0.40	N.A.	N.A.

SIC 451 AIR TRANS, SCHEDULED & AIR COURIER
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	50,930	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,830	3.54	N.A.	N.A.
FINANCIAL MANAGERS	100	0.19	19.75	15.91
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	120	0.23	6.19	13.64
PURCHASING MANAGERS	50	0.09	8.83	9.09
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	310	0.60	12.73	40.91
ADMINISTRATIVE SERVICES MANAGERS	100	0.19	10.31	11.36
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	660	1.29	8.69	88.64
GENERAL MANAGERS AND TOP EXECUTIVES	190	0.37	18.21	38.64
ALL OTHER MANAGERS AND ADMINISTRATORS	300	0.58	9.08	13.64
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	2,020	3.87	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	210	0.40	N.A.	N.A.
BUDGET ANALYSTS	30	0.05	3.76	6.82
ALL OTHER FINANCIAL SPECIALISTS	180	0.35	N.A.	N.A.
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	10	0.01	39.47	11.36
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	180	0.35	6.40	13.64
ALL OTHER MANAGEMENT SUPPORT WORKERS	560	1.09	5.84	9.09
ENGINEERS	40	0.07	N.A.	N.A.
ALL OTHER ENGINEERS	40	0.07	4.63	4.55
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	40	0.07	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	40	0.07	12.17	18.18
COMPUTER SCIENTISTS AND RELATED WORKERS	450	0.87	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	310	0.60	10.20	6.82
COMPUTER PROGRAMMERS	140	0.27	9.59	9.09
MATHEMATICAL SCIENTISTS AND RELATED WORKERS	90	0.17	N.A.	N.A.
ALL OTHER OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYST EXCEPT COMPUTER AND MATHEMATICAL SCIENTISTS SCIENTISTS	90	0.17	N.A.	N.A.
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	220	0.43	9.69	9.09
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	20	0.03	10.86	2.27
AIRPLANE DISPATCHERS AND AIR TRAFFIC CONTROLLERS	60	0.11	20.28	11.36
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	140	0.27	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	840	1.62	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	230	0.45	8.53	18.18

SIC 451 AIR TRANS, SCHEDULED & AIR COURIER
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	310	0.59	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	270	0.52	33.03	34.09
TRAVEL AGENTS	40	0.07	17.36	9.09
ALL OTHER SALES AND RELATED WORKERS	300	0.58	15.46	25.00
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	18,380	35.96	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	290	0.56	9.45	22.73
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	660	1.29	N.A.	N.A.
RESERVATION AND TRANSPORTATION TICKET AGENTS	12,250	24.04	4.99	50.00
SECRETARIES	460	0.90	7.09	56.82
TYPISTS	20	0.03	5.81	9.09
TYPISTS, WORD PROCESSING EQUIPMENT	150	0.29	9.81	6.82
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	80	0.15	6.45	9.09
CORRESPONDENCE CLERKS	30	0.05	8.14	4.55
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	170	0.33	7.01	25.00
PAYROLL AND TIMEKEEPING CLERKS	20	0.03	17.35	11.36
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	50	0.07	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	10	0.01	42.67	6.82
DATA ENTRY KEYERS, EXCEPT COMPOSING	10	0.01	21.00	4.55
ALL OTHER OFFICE MACHINE OPERATORS	30	0.05	10.50	2.27
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	3,830	7.50	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	180	0.35	16.19	36.36
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	200	0.39	5.70	15.91
TRANSPORTATION AGENTS	3,290	6.45	15.07	29.55
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	160	0.31	5.15	18.18
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	370	0.72	N.A.	N.A.
SERVICE OCCUPATIONS	9,660	18.92	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	270	0.52	11.57	29.55
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	40	0.07	19.83	6.82
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	180	0.35	22.16	15.91
BAGGAGE PORTERS AND BELLHOPS	100	0.19	13.47	13.64
FLIGHT ATTENDANTS	8,940	17.54	1.89	22.73
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	18,200	35.62	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	560	1.08	N.A.	N.A.

SIC 451 AIR TRANS, SCHEDULED & AIR COURIER
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	130	0.25	44.91	22.73
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	100	0.19	44.70	15.91
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	330	0.64	5.72	9.09
TRANSPORTATION INSPECTORS	180	0.35	9.76	9.09
MACHINERY MAINTENANCE MECHANICS	20	0.03	19.10	2.27
MAINTENANCE REPAIRERS, GENERAL UTILITY	750	1.47	12.42	27.27
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	2,320	4.53	N.A.	N.A.
AIRCRAFT MECHANICS	1,880	3.68	8.55	52.27
AIRCRAFT ENGINE SPECIALISTS	310	0.60	8.69	20.45
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	130	0.25	N.A.	N.A.
ALL OTHER COMMUNICATIONS EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	10	0.01	N.A.	N.A.
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	10	0.01	N.A.	N.A.
MOTOR VEHICLE OPERATORS	2,620	5.14	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	2,620	5.14	N.A.	N.A.
AIRCRAFT PILOTS AND FLIGHT ENGINEERS	6,780	13.30	7.40	36.36
VEHICLE WASHERS AND EQUIPMENT CLEANERS	70	0.13	11.27	11.36
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	4,880	9.57	6.44	36.36

SIC 458 AIRPORTS, FLYING FIELDS, AIR TERMINALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	9,490	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	440	4.62	N.A.	N.A.
FINANCIAL MANAGERS	20	0.21	28.30	17.65
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	10	0.10	15.36	17.65
PURCHASING MANAGERS	20	0.21	14.71	20.59
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	20	0.21	27.84	14.71
ALL OTHER ADMINISTRATIVE MANAGERS	10	0.10	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	30	0.31	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	310	3.27	17.86	67.65
ALL OTHER MANAGERS AND ADMINISTRATORS	20	0.21	22.22	17.65
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	530	5.56	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	60	0.63	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	60	0.63	28.83	17.65
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	50	0.52	15.16	23.53
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	20	0.21	28.88	11.76
ENGINEERS	80	0.84	N.A.	N.A.
AERONAUTICAL AND ASTRONAUTICAL ENGINEERS	40	0.42	36.84	11.76
ELECTRICAL AND ELECTRONIC ENGINEERS	40	0.42	29.21	11.76
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	60	0.63	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	20	0.21	29.86	11.76
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	40	0.42	47.79	11.76
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	10	0.10	N.A.	N.A.
MATHEMATICAL SCIENTISTS AND RELATED WORKERS	20	0.21	N.A.	N.A.
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS, EXCEPT COMPUTER	20	0.21	31.41	11.76
ALL OTHER TEACHERS AND INSTRUCTORS	30	0.31	N.A.	N.A.
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	200	2.11	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	30	0.31	N.A.	N.A.
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	20	0.21	N.A.	N.A.
ALL OTHER SALES REPRESENTATIVES AND SALESPERSONS, SERVICE	20	0.21	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,640	17.26	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	150	1.58	36.71	35.29

SIC 458 AIRPORTS, FLYING FIELDS,AIR TERMINALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	70	0.73	N.A.	N.A.
SECRETARIES	220	2.32	32.19	50.00
TYPISTS, WORD PROCESSING EQUIPMENT	20	0.21	23.54	11.76
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	20	0.21	16.70	20.59
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	120	1.26	30.01	44.12
PAYROLL AND TIMEKEEPING CLERKS	20	0.21	18.24	23.53
BILLING, COST AND RATE CLERKS	20	0.21	48.43	11.76
GENERAL OFFICE CLERKS	140	1.47	30.36	41.18
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	10	0.10	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	10	0.10	21.30	11.76
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	760	8.01	N.A.	N.A.
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	110	1.16	37.41	11.76
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	240	2.53	28.22	32.35
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	410	4.32	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	90	0.95	N.A.	N.A.
SERVICE OCCUPATIONS	1,070	11.28	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	410	4.32	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	110	1.16	24.79	41.18
BAGGAGE PORTERS AND BELLHOPS	150	1.58	48.42	8.82
ALL OTHER SERVICE WORKERS	400	4.22	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	5,780	60.91	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	370	3.89	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	300	3.16	16.93	38.24
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	70	0.73	N.A.	N.A.
TRANSPORTATION INSPECTORS	60	0.63	46.32	11.76
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	220	2.32	25.07	17.65
MAINTENANCE REPAIRERS, GENERAL UTILITY	220	2.32	44.63	29.41
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	3,020	31.88	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	30	0.31	3.49	5.88
AIRCRAFT MECHANICS	2,630	27.77	11.57	61.76
AIRCRAFT ENGINE SPECIALISTS	360	3.80	20.59	29.41

SIC 458 AIRPORTS, FLYING FIELDS,AIR TERMINALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
RADIO MECHANICS	50	0.52	49.70	11.76
ELECTRONICS REPAIRERS, COMMERCIAL AND INDUSTRIAL EQUIPMENT	80	0.84	21.64	8.82
ELECTRICAL INSTALLERS & REPAIRERS, TRANSPORTATION EQUIPMENT TRANSPORTATION EQUIPMENT	50	0.52	27.45	14.71
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	210	2.21	N.A.	N.A.
PRECISION METAL WORKERS	50	0.52	N.A.	N.A.
MACHINISTS	50	0.52	49.52	11.76
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	80	0.84	N.A.	N.A.
PAINTERS, TRANSPORTATION EQUIPMENT	80	0.84	16.56	20.59
OTHER HAND WORKERS, NEC	70	0.73	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	70	0.73	N.A.	N.A.
PLANT AND SYSTEM WORKERS	20	0.21	1.88	5.88
MOTOR VEHICLE OPERATORS	140	1.47	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	90	0.95	0.46	5.88
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	50	0.52	29.11	14.71
ALL OTHER TRANSPORTATION AND RELATED WORKERS	340	3.59	N.A.	N.A.
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	50	0.52	N.A.	N.A.
VEHICLE WASHERS AND EQUIPMENT CLEANERS	140	1.47	30.73	20.59
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	530	5.59	33.76	35.29
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	80	0.84	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 461 - PIPELINES, EXCEPT NATURAL GAS

This group includes establishments primarily engaged in the pipeline transportation of crude petroleum, refined products of petroleum, such as gasoline and fuel oil, coal and slurry pipeline operations.

SIC 461 PIPE LINES, EXCEPT NATURAL GAS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	5,020	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	390	7.72	N.A.	N.A.
FINANCIAL MANAGERS	30	0.59	39.40	11.90
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	20	0.39	24.53	19.05
ADMINISTRATIVE SERVICES MANAGERS	10	0.19	30.60	11.90
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	30	0.59	46.77	11.90
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	80	1.59	21.28	47.62
GENERAL MANAGERS AND TOP EXECUTIVES	90	1.79	24.94	50.00
ALL OTHER MANAGERS AND ADMINISTRATORS	120	2.39	23.70	33.33
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	720	14.24	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	70	1.38	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	30	0.59	26.88	19.05
ALL OTHER FINANCIAL SPECIALISTS	40	0.79	49.97	7.14
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	20	0.39	31.43	11.90
ALL OTHER MANAGEMENT SUPPORT WORKERS	60	1.19	26.74	19.05
ENGINEERS	200	3.96	N.A.	N.A.
CIVIL ENGINEERS, INCLUDING TRAFFIC	60	1.19	23.88	23.81
ELECTRICAL AND ELECTRONIC ENGINEERS	40	0.79	39.04	11.90
MECHANICAL ENGINEERS	60	1.19	29.84	23.81
ALL OTHER ENGINEERS	40	0.79	29.36	16.67
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	270	5.35	N.A.	N.A.
CIVIL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	40	0.79	34.01	16.67
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	60	1.19	31.84	21.43
MECHANICAL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	60	1.19	30.63	19.05
DRAFTERS	40	0.79	25.54	23.81
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	70	1.39	37.70	19.05
COMPUTER SCIENTISTS AND RELATED WORKERS	30	0.58	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	20	0.39	37.82	9.52
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	10	0.19	N.A.	N.A.
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	70	1.39	47.18	21.43
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	540	10.70	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	60	1.19	31.40	35.71

SIC 461   PIPE LINES, EXCEPT NATURAL GAS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SECRETARIES	100	1.99	19.88	38.10
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	20	0.39	24.85	19.05
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	60	1.19	32.28	19.05
BILLING, COST AND RATE CLERKS	20	0.39	36.20	9.52
GENERAL OFFICE CLERKS	150	2.98	15.82	61.90
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	80	1.58	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	60	1.19	29.74	11.90
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	20	0.39	44.44	4.76
SERVICE OCCUPATIONS	40	0.79	N.A.	N.A.
ALL OTHER SERVICE WORKERS	40	0.79	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	3,330	66.23	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	390	7.76	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	100	1.99	19.18	38.10
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	100	1.99	20.06	28.57
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	120	2.39	17.83	42.86
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	70	1.39	21.57	28.57
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	20	0.39	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS	250	4.98	22.88	47.62
MAINTENANCE REPAIRERS, GENERAL UTILITY	70	1.39	36.88	14.29
PRECISION INSTRUMENT REPAIRERS	50	0.99	34.82	9.52
MECHANICAL CONTROL AND VALVE INSTALLERS AND REPAIRERS	40	0.79	33.65	9.52
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	80	1.59	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	600	11.93	N.A.	N.A.
ELECTRICIANS	130	2.58	23.21	38.10
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	100	1.99	40.93	14.29
PIPELAYERS	300	5.97	32.93	16.67
ALL OTHER CONSTRUCTION TRADES WORKERS	70	1.39	38.41	9.52
MACHINE SETTERS, SET-UP OPERATORS, OPERATORS, AND TENDERS	70	1.39	41.69	11.90
OTHER HAND WORKERS, NEC	60	1.59	N.A.	N.A.
WELDERS AND CUTTERS	80	1.59	25.35	35.71

SIC 461 PIPE LINES, EXCEPT NATURAL GAS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PLANT AND SYSTEM WORKERS	770	15.33	N.A.	N.A.
GAUGERS	770	15.33	11.73	83.33
MOTOR VEHICLE OPERATORS	170	3.37	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	140	2.78	41.56	19.05
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	30	0.59	39.87	21.43
MATERIAL MOVING EQUIPMENT OPERATORS	450	8.96	N.A.	N.A.
MAIN LINE STATION ENGINEERS	330	6.57	27.25	42.86
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	120	2.39	34.39	16.67
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	180	3.58	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	110	2.19	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 47 - TRANSPORTATION SERVICES

This major group includes establishments furnishing services incidental to transportation, such as forwarding and packing services, and the arrangement of passenger and freight transportation.

SIC 472 - ARRANGEMENT OF PASSENGER TRANSPORTATION

This industry includes establishments engaged in furnishing travel information and acting as agents in arranging tours, transportation, rental of cars, and lodging for travelers. Also included are establishments engaged in arranging and assembling tours for sale through travel agents. Tour operators primarily engaged in selling their own tours directly to travelers are also included in this industry.

SIC 473 - ARRANGEMENT OF TRANSPORTATION OF FREIGHT AND CARGO

Included in this industry are establishments engaged in furnishing shipping information and acting as agents in arranging transportation for freight and cargo. Also included in this industry are freight forwarders which undertake the transportation of goods from the shippers to receivers for a charge covering the entire transportation, and, in turn, make use of the services of other transportation establishments as instrumentalities in effecting delivery.

SIC 478 - MISCELLANEOUS SERVICES INCIDENTAL TO TRANSPORTATION

This industry includes establishments primarily engaged in packing, crating, and otherwise preparing goods for shipping; inspection and weighing of goods in connection with transportation or in the operation of fixed facilities for motor vehicle transportation, such as toll roads, highway bridges, and other fixed facilities, except terminals; and furnishing transportation or services incidental to transportation, not elsewhere classified, such as horse-drawn cabs and carriages for hire.

SIC 47 TRANSPORTATION SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	19,140	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,820	14.70	N.A.	N.A.
FINANCIAL MANAGERS	60	0.31	18.15	6.88
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	30	0.15	27.38	6.88
ADMINISTRATIVE SERVICES MANAGERS	20	0.10	42.83	3.13
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	600	3.13	20.19	23.75
GENERAL MANAGERS AND TOP EXECUTIVES	2,040	10.65	8.03	73.75
ALL OTHER MANAGERS AND ADMINISTRATORS	70	0.36	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	460	2.38	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	320	1.67	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	320	1.67	19.92	20.00
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	10	0.05	15.97	1.88
NATURAL SCIENTISTS AND RELATED WORKERS	20	0.10	N.A.	N.A.
PHYSICAL SCIENTISTS	20	0.10	35.41	2.50
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	30	0.15	34.36	1.88
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	70	0.36	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	5,850	30.52	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	460	2.40	21.16	21.25
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	5,140	26.83	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	620	3.23	19.54	28.13
TRAVEL AGENTS	4,520	23.60	-8.95	32.50
CASHIERS	220	1.14	42.06	2.50
ALL OTHER SALES AND RELATED WORKERS	30	0.15	44.31	1.88
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	7,030	36.61	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	480	2.50	17.33	30.63
ADJUSTMENT CLERKS	80	0.41	39.77	3.13
RESERVATION AND TRANSPORTATION TICKET AGENTS	320	1.67	47.44	5.63
SECRETARIES	690	3.60	11.78	46.25
RECEPTIONISTS AND INFORMATION CLERKS	300	1.56	19.45	27.50
TYPISTS	80	0.41	35.16	8.13
TYPISTS, WORD PROCESSING EQUIPMENT	20	0.10	33.09	1.88
FILE CLERKS	10	0.05	43.74	1.88
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	860	4.49	12.18	41.25

SIC 47 TRANSPORTATION SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PAYROLL AND TIMEKEEPING CLERKS	10	0.05	18.44	3.75
BILLING, COST AND RATE CLERKS	500	2.61	25.85	15.00
GENERAL OFFICE CLERKS	890	4.64	18.06	32.50
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	190	0.97	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	10	0.05	49.01	2.50
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	90	0.46	38.32	6.88
DATA ENTRY KEYERS, EXCEPT COMPOSING	80	0.41	27.08	6.25
ALL OTHER OFFICE MACHINE OPERATORS	10	0.05	N.A.	N.A.
MESSENGERS	330	1.72	24.51	18.13
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,540	8.02	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	170	0.88	30.31	13.75
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	450	2.34	25.01	11.25
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	920	4.80	21.11	21.25
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	730	3.81	N.A.	N.A.
SERVICE OCCUPATIONS	510	2.64	N.A.	N.A.
GUARDS AND WATCH GUARDS	110	0.57	37.20	1.25
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	90	0.46	31.80	8.13
GUIDES	310	1.61	48.51	2.50
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	2,470	12.84	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	20	0.10	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	20	0.10	44.58	2.50
TRANSPORTATION INSPECTORS	140	0.73	36.65	4.38
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	220	1.14	30.74	3.13
MAINTENANCE REPAIRERS, GENERAL UTILITY	120	0.62	30.61	6.25
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	50	0.26	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	50	0.26	27.12	2.50
MOTOR VEHICLE OPERATORS	1,260	6.57	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	590	3.08	24.23	8.75
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	670	3.49	20.48	8.75
MATERIAL MOVING EQUIPMENT OPERATORS	170	0.88	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	170	0.88	29.93	6.88
HAND PACKERS AND PACKAGERS	210	1.09	23.47	7.50
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	220	1.14	16.79	5.00

SIC 47 TRANSPORTATION SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS..	60	0.31	N.A.	N.A.

SIC 472 ARRANGEMENT OF PASSENGER TRANSPORT
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	8,550	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,060	12.37	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	50	0.58	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	990	11.56	13.83	66.67
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	200	2.33	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	200	2.33	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	200	2.33	27.77	21.67
SALES AND RELATED OCCUPATIONS	4,890	57.10	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	260	3.03	32.63	21.67
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	4,620	53.96	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	110	1.28	39.89	15.00
TRAVEL AGENTS	4,510	52.68	8.96	85.00
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,970	22.95	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	110	1.28	48.09	11.67
RESERVATION AND TRANSPORTATION TICKET AGENTS	320	3.73	47.44	15.00
SECRETARIES	130	1.51	25.08	28.33
RECEPTIONISTS AND INFORMATION CLERKS	160	1.86	30.68	23.33
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	320	3.73	22.28	36.67
GENERAL OFFICE CLERKS	140	1.63	37.38	16.67
MESSENGERS	230	2.68	31.80	26.67
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	40	0.46	N.A.	N.A.
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	40	0.46	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	520	6.07	N.A.	N.A.
SERVICE OCCUPATIONS	310	3.62	N.A.	N.A.
GUIDES	310	3.62	48.51	6.67
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	120	1.39	N.A.	N.A.
MOTOR VEHICLE OPERATORS	110	1.28	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	110	1.28	N.A.	N.A.

SIC 473 ARRANGEMENT OF TRANS OF FREIGHT&CARGO
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	8,850	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,520	17.14	N.A.	N.A.
FINANCIAL MANAGERS	40	0.45	10.85	5.97
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	20	0.22	26.88	10.45
ADMINISTRATIVE SERVICES MANAGERS	20	0.22	46.65	4.48
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	530	5.98	22.08	43.28
GENERAL MANAGERS AND TOP EXECUTIVES	850	9.60	10.12	79.10
ALL OTHER MANAGERS AND ADMINISTRATORS	60	0.67	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	180	2.02	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	100	1.12	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	100	1.12	32.86	19.40
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	10	0.11	15.97	4.48
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	70	0.79	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	720	8.11	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	200	2.25	24.89	26.87
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	500	5.64	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	500	5.64	22.92	44.78
ALL OTHER SALES AND RELATED WORKERS	20	0.22	36.80	2.99
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	4,680	52.80	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	320	3.61	19.55	43.28
ADJUSTMENT CLERKS	80	0.90	40.38	5.97
SECRETARIES	440	4.97	16.52	55.22
RECEPTIONISTS AND INFORMATION CLERKS	130	1.46	26.09	32.84
FILE CLERKS	10	0.11	43.74	4.48
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	500	5.64	15.23	49.25
PAYROLL AND TIMEKEEPING CLERKS	10	0.11	19.26	7.46
BILLING, COST AND RATE CLERKS	480	5.42	26.60	32.84
GENERAL OFFICE CLERKS	690	7.79	21.98	44.78
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	140	1.58	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	70	0.79	29.35	11.94
ALL OTHER OFFICE MACHINE OPERATORS	70	0.79	N.A.	N.A.
MESSENGERS	100	1.12	33.79	19.40

SIC 473 ARRANGEMENT OF TRANS OF FREIGHT&CARGO
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,450	16.37	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	130	1.46	37.15	23.88
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	440	4.97	25.55	22.39
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	880	9.94	22.08	38.81
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	330	3.72	N.A.	N.A.
SERVICE OCCUPATIONS	180	2.03	N.A.	N.A.
GUARDS AND WATCH GUARDS	110	1.24	37.20	2.99
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	70	0.79	40.01	10.45
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,570	17.71	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	20	0.22	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	20	0.22	47.18	4.48
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	10	0.11	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	40	0.45	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	40	0.45	28.31	4.48
MOTOR VEHICLE OPERATORS	1,130	12.76	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	580	6.55	24.44	17.91
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	550	6.21	20.75	14.93
MATERIAL MOVING EQUIPMENT OPERATORS	110	1.24	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	110	1.24	43.02	10.45
HAND PACKERS AND PACKAGERS	80	0.90	40.81	7.46
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	110	1.24	17.33	4.48
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	70	0.79	N.A.	N.A.

SIC 478 MISCELLANEOUS TRANSPORTATION SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	1,590	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	210	13.27	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	20	1.26	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	20	1.26	34.99	18.52
GENERAL MANAGERS AND TOP EXECUTIVES	170	10.75	17.07	74.07
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	70	4.41	N.A.	N.A.
NATURAL SCIENTISTS AND RELATED WORKERS	20	1.26	N.A.	N.A.
PHYSICAL SCIENTISTS	20	1.26	35.41	14.81
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	30	1.89	34.36	11.11
SALES AND RELATED OCCUPATIONS	240	15.18	N.A.	N.A.
CASHIERS	220	13.92	42.88	7.41
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	310	19.58	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	40	2.53	25.67	40.74
SECRETARIES	100	6.32	16.52	59.26
TYPISTS	10	0.63	35.11	22.22
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	40	2.53	24.62	37.04
GENERAL OFFICE CLERKS	50	3.16	21.59	37.04
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	40	2.52	N.A.	N.A.
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	30	1.89	38.46	22.22
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	10	0.63	N.A.	N.A.
SERVICE OCCUPATIONS	20	1.26	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	1.26	30.38	22.22
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	740	46.79	N.A.	N.A.
TRANSPORTATION INSPECTORS	120	7.59	37.83	18.52
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	220	13.92	30.74	18.52
MAINTENANCE REPAIRERS, GENERAL UTILITY	60	3.79	30.59	18.52
MATERIAL MOVING EQUIPMENT OPERATORS	60	3.79	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	60	3.79	30.76	14.81
HAND PACKERS AND PACKAGERS	130	8.22	28.32	25.93

SIC 478 MISCELLANEOUS TRANSPORTATION SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND................	120	7.59	28.37	18.52

INDUSTRY CHARACTERISTICS

SIC 48 - COMMUNICATIONS

This major group includes establishments furnishing point-to-point communications services, whether intended to be received aurally or visually; and radio and television broadcasting. This major group also includes establishments primarily engaged in providing paging and beeper services and those engaged in leasing telephone lines or other methods of telephone transmission, such as optical fiber lines and microwave or satellite facilities, and reselling the use of such methods to others.

SIC 481 - TELEPHONE COMMUNICATIONS

This industry includes establishments primarily engaged in providing two-way radiotelephone communications services, such as cellular telephone services and furnishing telephone voice and data communications, except radiotelephone and telephone answering services.

SIC 482 - TELEGRAPH AND OTHER MESSAGE COMMUNICATIONS

Establishments primarily engaged in furnishing telegraph and other nonvocal message communications services, such as cablegram, electronic mail, and facsimile transmission services.

SIC 483 - RADIO AND TELEVISION BROADCASTING STATIONS

This group includes establishments engaged in broadcasting visual programs by television to the public, except cable and other pay television services. Also included are those engaged in broadcasting radio programs to the public. Included in this industry are commercial, religious, educational, and other radio and television stations.

SIC 484 - CABLE AND OTHER PAY TELEVISION SERVICES

Establishments primarily engaged in the dissemination of visual and textual television programs, on a subscription or fee basis are included in this industry. Also included are those engaged in cablecasting and which also produce taped program materials.

SIC 48 COMMUNICATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	81,700	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	5,990	7.28	N.A.	N.A.
FINANCIAL MANAGERS	310	0.37	15.18	32.90
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	160	0.19	9.32	20.65
PURCHASING MANAGERS	30	0.03	26.52	4.52
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	920	1.12	9.23	60.65
ADMINISTRATIVE SERVICES MANAGERS	280	0.34	36.34	14.19
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	240	0.29	13.73	29.68
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	880	1.07	10.20	40.00
GENERAL MANAGERS AND TOP EXECUTIVES	2,350	2.87	9.43	80.65
ALL OTHER MANAGERS AND ADMINISTRATORS	820	1.00	10.23	23.87
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	12,220	14.78	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	730	0.88	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	460	0.56	10.00	21.94
BUDGET ANALYSTS	40	0.04	18.80	5.16
ALL OTHER FINANCIAL SPECIALISTS	230	0.28	10.87	7.10
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	20	0.02	26.38	5.16
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	290	0.35	6.59	11.61
ALL OTHER MANAGEMENT SUPPORT WORKERS	200	0.24	17.43	12.90
ENGINEERS	430	0.50	N.A.	N.A.
CIVIL ENGINEERS, INCLUDING TRAFFIC	40	0.04	18.50	3.87
ELECTRICAL AND ELECTRONIC ENGINEERS	240	0.29	19.08	18.06
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	120	0.14	21.49	7.74
MECHANICAL ENGINEERS	30	0.03	35.18	3.87
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	1,010	1.21	N.A.	N.A.
CIVIL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	80	0.09	14.85	4.52
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	260	0.31	21.06	14.84
MECHANICAL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	30	0.03	46.09	1.94
DRAFTERS	90	0.11	22.08	12.26
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	550	0.67	38.14	14.84
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	100	0.12	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	1,010	1.22	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	350	0.42	30.98	10.32
COMPUTER PROGRAMMERS	500	0.61	15.67	16.77
COMPUTER PROGRAMMER AIDES	160	0.19	27.19	5.81

SIC 48 COMMUNICATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
LAW AND RELATED OCCUPATIONS	20	0.02	N.A.	N.A.
LAWYERS	20	0.02	28.75	3.87
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	80	0.09	12.94	4.52
WRITERS AND EDITORS	370	0.45	15.32	23.87
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	320	0.39	7.56	20.00
REPORTERS AND CORRESPONDENTS	790	0.96	11.64	21.29
BROADCAST NEWS ANALYSTS	420	0.51	23.27	16.13
ANNOUNCERS, RADIO AND TELEVISION	3,320	4.06	9.08	36.13
PHOTOGRAPHERS	350	0.42	15.88	11.61
CAMERA OPERATORS, TELEVISION AND MOTION PICTURE	440	0.53	22.86	22.58
BROADCAST TECHNICIANS	1,060	1.29	13.08	33.55
FILM EDITORS	90	0.11	23.37	10.32
ARTISTS AND RELATED WORKERS	80	0.09	17.21	9.68
DESIGNERS, EXCEPT INTERIOR DESIGNERS	10	0.01	31.03	3.87
PRODUCERS, DIRECTORS, ACTORS, AND OTHER ENTERTAINERS	600	0.73	13.78	25.81
RADIO OPERATORS	100	0.12	35.32	3.87
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	380	0.46	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	5,640	6.88	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	550	0.67	23.44	40.65
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	3,770	4.60	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	1,730	2.11	26.37	17.42
SALES AGENTS, ADVERTISING	2,040	2.49	7.06	48.39
CASHIERS	200	0.24	49.86	9.03
ALL OTHER SALES AND RELATED WORKERS	1,120	1.37	11.28	30.32
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	31,670	38.59	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,320	1.61	12.07	49.68
CREDIT CHECKERS	50	0.06	14.32	5.81
ADJUSTMENT CLERKS	4,310	5.27	7.32	14.84
BILL AND ACCOUNT COLLECTORS	1,300	1.59	5.11	16.13
SECRETARIES	1,600	1.95	12.90	65.81
STENOGRAPHERS	220	0.26	8.43	3.23
RECEPTIONISTS AND INFORMATION CLERKS	350	0.42	15.05	29.68
TYPISTS	110	0.13	21.92	10.32
TYPISTS, WORD PROCESSING EQUIPMENT	40	0.04	20.56	7.10
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	100	0.12	7.13	10.32
CORRESPONDENCE CLERKS	70	0.08	11.22	3.87

SIC 48 COMMUNICATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FILE CLERKS	920	1.12	3.38	14.19
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	1,360	1.66	6.41	12.90
STATISTICAL CLERKS	130	0.15	29.90	5.16
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	4,740	5.80	8.97	37.42
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,140	1.39	13.54	49.03
PAYROLL AND TIMEKEEPING CLERKS	120	0.14	11.00	14.19
BILLING, COST AND RATE CLERKS	290	0.35	42.30	11.61
GENERAL OFFICE CLERKS	2,340	2.86	11.42	34.19
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	780	0.94	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	10	0.01	41.19	1.94
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	550	0.67	12.87	20.65
DATA ENTRY KEYERS, EXCEPT COMPOSING	220	0.26	7.13	11.61
SWITCHBOARD OPERATORS	3,400	4.16	7.42	18.71
DIRECTORY ASSISTANCE OPERATORS	80	0.09	36.79	1.94
TELEGRAPH AND TELETYPE OPERATORS	700	0.85	8.31	5.81
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	3,710	4.54	N.A.	N.A.
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	200	0.24	5.04	10.32
MESSENGERS	30	0.03	40.47	5.16
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,790	2.17	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	410	0.50	34.75	22.58
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	1,050	1.28	9.48	16.13
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	260	0.31	12.04	12.26
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	70	0.08	19.95	10.97
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	470	0.57	N.A.	N.A.
SERVICE OCCUPATIONS	490	0.58	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	40	0.04	19.41	6.45
ALL OTHER PROTECTIVE SERVICE WORKERS	60	0.07	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	380	0.46	43.39	16.77
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	10	0.01	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	25,680	31.36	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	5,530	6.76	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	4,200	5.14	6.28	30.32

SIC 48 COMMUNICATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	1,330	1.62	7.43	5.81
PRECISION INSPECTORS, TESTERS, AND GRADERS	140	0.17	32.36	7.74
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	20	0.02	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	20	0.02	24.38	3.23
CENTRAL OFFICE AND PBX INSTALLERS AND REPAIRERS	4,690	5.74	6.77	18.06
FRAME WIRERS, CENTRAL OFFICE	660	0.80	8.62	8.39
ALL OTHER COMMUNICATIONS EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	20	0.02	15.41	1.94
TELEPHONE AND CABLE TV LINE INSTALLERS AND REPAIRERS	6,280	7.68	7.81	41.29
ELECTRONICS REPAIRERS, COMMERCIAL AND INDUSTRIAL EQUIPMENT	40	0.04	47.57	5.81
ELECTRICAL POWERLINE INSTALLERS AND REPAIRERS	4,610	5.64	11.37	7.74
STATION INSTALLERS AND REPAIRERS, TELEPHONE	1,480	1.81	20.85	10.32
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	890	1.08	6.79	9.03
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	140	0.17	7.59	0.65
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	470	0.57	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	50	0.06	N.A.	N.A.
PRECISION WORKERS, NEC	340	0.41	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	340	0.41	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	50	0.06	22.00	5.81
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	270	0.33	N.A.	N.A.

SIC 481 TELEPHONE COMMUNICATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	58,890	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	3,520	5.93	N.A.	N.A.
FINANCIAL MANAGERS	60	0.10	21.82	27.78
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	120	0.20	8.08	36.11
PURCHASING MANAGERS	30	0.05	29.60	13.89
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	300	0.50	17.34	50.00
ADMINISTRATIVE SERVICES MANAGERS	250	0.42	39.52	38.89
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	110	0.18	22.41	33.33
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	550	0.93	13.72	50.00
GENERAL MANAGERS AND TOP EXECUTIVES	1,460	2.47	14.38	72.22
ALL OTHER MANAGERS AND ADMINISTRATORS	640	1.08	12.58	36.11
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	3,470	5.79	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	590	0.99	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	330	0.56	10.65	33.33
BUDGET ANALYSTS	40	0.06	19.22	19.44
ALL OTHER FINANCIAL SPECIALISTS	220	0.37	11.02	19.44
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	20	0.03	33.96	11.11
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	280	0.47	6.11	33.33
ALL OTHER MANAGEMENT SUPPORT WORKERS	160	0.27	20.80	30.56
ENGINEERS	270	0.44	N.A.	N.A.
CIVIL ENGINEERS, INCLUDING TRAFFIC	30	0.05	20.19	13.89
ELECTRICAL AND ELECTRONIC ENGINEERS	150	0.25	24.40	36.11
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	80	0.13	23.17	19.44
MECHANICAL ENGINEERS	10	0.01	22.60	11.11
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	200	0.32	N.A.	N.A.
CIVIL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	70	0.11	15.41	16.67
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	60	0.10	29.22	13.89
DRAFTERS	70	0.11	27.36	27.78
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	460	0.78	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	960	1.62	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	330	0.56	32.27	16.67
COMPUTER PROGRAMMERS	490	0.83	15.95	58.33
COMPUTER PROGRAMMER AIDES	140	0.23	29.99	13.89
LAW AND RELATED OCCUPATIONS	20	0.03	N.A.	N.A.
LAWYERS	20	0.03	30.21	11.11
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	80	0.13	13.07	16.67

SIC 481 TELEPHONE COMMUNICATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
WRITERS AND EDITORS	50	0.08	7.62	2.78
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	200	0.33	4.27	30.56
ARTISTS AND RELATED WORKERS	30	0.05	7.60	2.78
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	150	0.25	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,380	4.02	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	270	0.45	45.49	47.22
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	1,530	2.59	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	1,490	2.53	30.11	38.89
SALES AGENTS, ADVERTISING	40	0.06	44.14	8.33
ALL OTHER SALES AND RELATED WORKERS	580	0.98	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	26,230	44.39	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	890	1.51	16.91	58.33
CREDIT CHECKERS	20	0.03	22.62	8.33
ADJUSTMENT CLERKS	4,080	6.92	7.62	27.78
BILL AND ACCOUNT COLLECTORS	1,220	2.07	5.33	33.33
SECRETARIES	780	1.32	24.19	72.22
STENOGRAPHERS	210	0.35	8.51	11.11
RECEPTIONISTS AND INFORMATION CLERKS	70	0.11	22.16	27.78
TYPISTS	70	0.11	28.56	19.44
TYPISTS, WORD PROCESSING EQUIPMENT	30	0.05	16.04	22.22
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	90	0.15	7.28	30.56
CORRESPONDENCE CLERKS	70	0.11	11.55	13.89
FILE CLERKS	900	1.52	3.32	44.44
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	1,350	2.29	6.45	44.44
STATISTICAL CLERKS	130	0.22	29.90	22.22
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	3,450	5.85	11.81	69.44
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	770	1.30	19.15	58.33
PAYROLL AND TIMEKEEPING CLERKS	80	0.13	9.79	13.89
GENERAL OFFICE CLERKS	2,100	3.56	12.53	61.11
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	530	0.89	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	360	0.61	15.55	16.67
DATA ENTRY KEYERS, EXCEPT COMPOSING	170	0.28	4.70	13.89
SWITCHBOARD OPERATORS	3,340	5.67	7.54	19.44
DIRECTORY ASSISTANCE OPERATORS	80	0.13	36.79	8.33
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	3,710	6.29	N.A.	N.A.

SIC 481 TELEPHONE COMMUNICATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	150	0.25	6.39	16.67
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,530	2.58	N.A.	N.A.
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	1,030	1.74	9.65	52.78
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	210	0.35	14.27	19.44
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	30	0.05	31.48	19.44
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	260	0.44	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	580	0.98	N.A.	N.A.
SERVICE OCCUPATIONS	360	0.59	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	40	0.06	21.27	19.44
ALL OTHER PROTECTIVE SERVICE WORKERS	50	0.08	N.A.	N.A.
ALL OTHER SERVICE WORKERS	270	0.45	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	22,930	38.86	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	5,270	8.94	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	3,960	6.72	6.57	50.00
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	1,310	2.22	7.55	5.56
PRECISION INSPECTORS, TESTERS, AND GRADERS	90	0.15	46.52	19.44
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	20	0.03	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	20	0.03	24.38	13.89
CENTRAL OFFICE AND PBX INSTALLERS AND REPAIRERS	4,660	7.91	6.80	72.22
FRAME WIRERS, CENTRAL OFFICE	660	1.12	8.62	36.11
ALL OTHER COMMUNICATIONS EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	10	0.01	8.16	2.78
TELEPHONE AND CABLE TV LINE INSTALLERS AND REPAIRERS	4,140	7.03	11.40	55.56
ELECTRICAL POWERLINE INSTALLERS AND REPAIRERS	4,610	7.82	11.37	33.33
STATION INSTALLERS AND REPAIRERS, TELEPHONE	1,480	2.51	20.85	44.44
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	850	1.44	6.59	22.22
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	140	0.23	7.59	2.78
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	410	0.69	N.A.	N.A.
PRECISION WORKERS, NEC	340	0.57	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	340	0.57	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	50	0.08	22.00	25.00

SIC 481 TELEPHONE COMMUNICATION
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	200	0.33	N.A.	N.A.

SIC 482 TELEGRAPH & OTHER MESSAGE COMMUNICA
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	1,160	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	50	4.32	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	30	2.60	13.12	63.64
GENERAL MANAGERS AND TOP EXECUTIVES	10	0.86	28.89	36.36
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	40	3.46	N.A.	N.A.
BROADCAST TECHNICIANS	30	2.60	26.91	27.27
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	10	0.86	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	50	4.33	N.A.	N.A.
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	40	3.47	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	40	3.47	27.84	45.45
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	830	72.13	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	20	1.73	22.57	36.36
ADJUSTMENT CLERKS	50	4.34	29.78	18.18
SECRETARIES	20	1.73	32.68	45.45
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	30	2.60	19.53	45.45
TELEGRAPH AND TELETYPE OPERATORS	690	60.00	8.37	54.55
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	190	16.47	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	20	1.73	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	20	1.73	24.81	36.36
ALL OTHER COMMUNICATIONS EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	10	0.86	N.A.	N.A.
TELEPHONE AND CABLE TV LINE INSTALLERS AND REPAIRERS	110	9.56	21.67	27.27
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	10	0.86	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	30	2.60	29.23	18.18

SIC 483 RADIO AND TELEVISION BROADCASTING
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	14,690	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,900	12.89	N.A.	N.A.
FINANCIAL MANAGERS	230	1.56	19.77	53.13
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	20	0.13	44.59	12.50
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	500	3.40	11.82	76.56
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	110	0.74	20.48	32.81
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	240	1.63	19.11	32.81
GENERAL MANAGERS AND TOP EXECUTIVES	660	4.48	10.00	93.75
ALL OTHER MANAGERS AND ADMINISTRATORS	140	0.95	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	8,270	56.18	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	120	0.81	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	120	0.81	24.32	28.13
ENGINEERS	170	1.15	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERS	90	0.61	31.61	21.88
ALL OTHER ENGINEERS	80	0.54	41.24	6.25
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	280	1.90	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	140	0.95	32.21	18.75
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	140	0.95	35.91	10.94
WRITERS AND EDITORS	310	2.10	18.05	51.56
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	100	0.68	20.98	26.56
REPORTERS AND CORRESPONDENTS	790	5.37	11.84	51.56
BROADCAST NEWS ANALYSTS	420	2.85	23.27	39.06
ANNOUNCERS, RADIO AND TELEVISION	3,310	22.51	9.03	84.38
PHOTOGRAPHERS	350	2.38	15.88	28.13
CAMERA OPERATORS, TELEVISION AND MOTION PICTURE	350	2.38	17.60	32.81
BROADCAST TECHNICIANS	1,000	6.80	13.73	64.06
FILM EDITORS	90	0.61	24.69	20.31
ARTISTS AND RELATED WORKERS	50	0.34	25.70	21.88
DESIGNERS, EXCEPT INTERIOR DESIGNERS	10	0.06	33.64	7.81
PRODUCERS, DIRECTORS, ACTORS, AND OTHER ENTERTAINERS	590	4.01	14.15	51.56
RADIO OPERATORS	70	0.47	43.03	6.25
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	260	1.76	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,280	15.50	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	190	1.29	16.42	40.63

SIC 483 RADIO AND TELEVISION BROADCASTING
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	2,020	13.74	N.A.	N.A.
SALES AGENTS, ADVERTISING	1,870	12.72	7.41	87.50
ALL OTHER SALES REPRESENTATIVES AND SALESPERSONS, SERVICE	150	1.02	N.A.	N.A.
ALL OTHER SALES AND RELATED WORKERS	70	0.47	32.10	15.63
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,020	13.65	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	170	1.15	19.16	37.50
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	40	0.27	N.A.	N.A.
SECRETARIES	650	4.42	11.80	75.00
RECEPTIONISTS AND INFORMATION CLERKS	210	1.42	16.36	45.31
TYPISTS	40	0.27	37.03	9.38
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	290	1.97	14.68	57.81
PAYROLL AND TIMEKEEPING CLERKS	30	0.20	36.87	14.06
BILLING, COST AND RATE CLERKS	70	0.47	38.51	15.63
GENERAL OFFICE CLERKS	120	0.81	23.89	29.69
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	200	1.35	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	170	1.15	25.36	31.25
DATA ENTRY KEYERS, EXCEPT COMPOSING	30	0.20	38.61	9.38
SWITCHBOARD OPERATORS	40	0.27	17.73	21.88
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	10	0.06	N.A.	N.A.
MESSENGERS	20	0.13	43.70	9.38
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	40	0.26	N.A.	N.A.
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	20	0.13	43.20	7.81
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	20	0.13	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	80	0.54	N.A.	N.A.
SERVICE OCCUPATIONS	130	0.87	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	120	0.81	21.09	28.13
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	10	0.06	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	80	0.52	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	10	0.06	49.62	7.81
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	60	0.40	N.A.	N.A.

SIC 484 CABLE & OTHER PAY TV SERVICES
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	6,560	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	480	7.25	N.A.	N.A.
FINANCIAL MANAGERS	10	0.15	32.19	13.95
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	20	0.30	24.86	23.26
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	100	1.51	30.68	53.49
ADMINISTRATIVE SERVICES MANAGERS	10	0.15	27.07	11.63
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	30	0.45	21.60	30.23
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	70	1.06	26.56	37.21
GENERAL MANAGERS AND TOP EXECUTIVES	190	2.88	13.36	79.07
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	400	6.04	N.A.	N.A.
ENGINEERS	10	0.15	N.A.	N.A.
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	10	0.15	35.11	6.98
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	120	1.81	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	60	0.91	44.03	11.63
DRAFTERS	20	0.30	9.57	20.93
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	40	0.60	13.16	13.95
COMPUTER SCIENTISTS AND RELATED WORKERS	10	0.15	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	10	0.15	27.19	20.93
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	10	0.15	24.40	6.98
CAMERA OPERATORS, TELEVISION AND MOTION PICTURE	60	0.91	20.25	30.23
BROADCAST TECHNICIANS	30	0.45	26.66	18.60
PRODUCERS, DIRECTORS, ACTORS, AND OTHER ENTERTAINERS	20	0.30	17.02	16.28
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	140	2.12	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	670	10.16	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	70	1.06	24.23	37.21
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	190	2.88	N.A.	N.A.
SALES AGENTS, ADVERTISING	130	1.97	27.21	37.21
ALL OTHER SALES REPRESENTATIVES AND SALESPERSONS, SERVICE	60	0.91	N.A.	N.A.
CASHIERS	80	1.21	25.89	25.58
ALL OTHER SALES AND RELATED WORKERS	330	5.01	14.10	37.21
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,520	38.21	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	240	3.64	17.32	65.12

SIC 484 CABLE & OTHER PAY TV SERVICES
REFERENCE DATE : MAY 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CREDIT CHECKERS	30	0.45	18.21	11.63
ADJUSTMENT CLERKS	150	2.27	30.15	20.93
BILL AND ACCOUNT COLLECTORS	80	1.21	18.54	23.26
SECRETARIES	150	2.27	25.99	51.16
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	1,270	19.30	9.53	72.09
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	50	0.75	19.71	30.23
PAYROLL AND TIMEKEEPING CLERKS	10	0.15	18.80	18.60
GENERAL OFFICE CLERKS	110	1.67	26.60	27.91
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	40	0.60	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	20	0.30	29.04	13.95
DATA ENTRY KEYERS, EXCEPT COMPOSING	20	0.30	30.09	16.28
SWITCHBOARD OPERATORS	10	0.15	32.91	18.60
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	210	3.17	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	140	2.12	11.46	48.84
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	50	0.75	18.19	27.91
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	20	0.30	30.34	11.63
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	170	2.58	N.A.	N.A.
SERVICE OCCUPATIONS	10	0.15	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	2,480	37.64	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	240	3.64	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	220	3.34	19.09	55.81
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	20	0.30	34.57	9.30
PRECISION INSPECTORS, TESTERS, AND GRADERS	50	0.75	34.25	11.63
MAINTENANCE REPAIRERS, GENERAL UTILITY	30	0.45	45.82	9.30
ALL OTHER COMMUNICATIONS EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	20	0.30	24.16	4.65
TELEPHONE AND CABLE TV LINE INSTALLERS AND REPAIRERS	1,990	30.24	6.39	93.02
ELECTRONICS REPAIRERS, COMMERCIAL AND INDUSTRIAL EQUIPMENT	10	0.15	19.29	11.63
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	60	0.91	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	40	0.60	25.73	11.63
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	30	0.45	26.29	9.30
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	10	0.15	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 49 - ELECTRIC, GAS, AND SANITARY SERVICES

This major group includes establishments engaged in the generation, transmission, and/or distribution of electricity or gas or steam. Such establishments may be combinations of any of the above three services and also include other types of services, such as transportation, communications, and refrigeration. Water and irrigation systems, and sanitary systems engaged in the collection and disposal of garbage, sewage, and other wastes by means of destroying or processing materials, are also included.

SIC 491 - ELECTRIC SERVICES

This group includes establishments engaged in the generation, transmission, and/or distribution of electric energy for sale.

SIC 492 - GAS PRODUCTION AND DISTRIBUTION

Establishments included in this category are those engaged in the transmission and/or storage of natural gas for sale, distribution of natural gas for sale, and those engaged in the manufacture and/or distribution of gas for sale, including mixtures of manufactured with natural gas.

SIC 494 - WATER SUPPLY

This group includes establishments primarily engaged in distributing water for sale for domestic, commercial, and industrial use.

SIC 495 - SANITARY SERVICES

Included in this industry are establishments engaged in the collection and disposal of wastes conducted through a sewer system; disposal of refuse by processing or destruction or in the operation of incinerators, waste treatment plants, landfills; or furnishing sanitary services such as oil spill cleanup, mosquito eradication, and others.

SIC 49 ELECTRIC, GAS, AND SANITARY SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	75,730	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	6,320	8.31	N.A.	N.A.
FINANCIAL MANAGERS	380	0.50	17.51	19.64
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	200	0.26	11.86	14.88
PURCHASING MANAGERS	110	0.14	18.55	11.31
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	350	0.46	24.84	25.60
ADMINISTRATIVE SERVICES MANAGERS	320	0.42	16.85	13.69
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	790	1.04	13.51	19.64
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	1,450	1.91	18.08	35.12
GENERAL MANAGERS AND TOP EXECUTIVES	1,980	2.61	16.86	70.83
ALL OTHER MANAGERS AND ADMINISTRATORS	740	0.97	14.03	14.88
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	12,800	16.73	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	2,160	2.83	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	1,740	2.29	13.53	23.21
BUDGET ANALYSTS	180	0.23	19.25	7.74
ALL OTHER FINANCIAL SPECIALISTS	240	0.31	22.55	8.93
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	630	0.83	14.66	15.48
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	710	0.93	10.28	12.50
ALL OTHER MANAGEMENT SUPPORT WORKERS	830	1.09	13.42	16.07
ENGINEERS	2,310	3.02	N.A.	N.A.
CHEMICAL ENGINEERS	190	0.25	28.84	5.36
NUCLEAR ENGINEERS	10	0.01	42.32	0.60
CIVIL ENGINEERS, INCLUDING TRAFFIC	340	0.44	18.30	8.33
ELECTRICAL AND ELECTRONIC ENGINEERS	690	0.91	14.38	10.12
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	790	1.04	41.23	7.14
SAFETY ENGINEERS, EXCEPT MINING	80	0.10	16.66	7.74
MECHANICAL ENGINEERS	80	0.10	32.98	6.55
ALL OTHER ENGINEERS	130	0.17	37.03	7.14
SURVEYING AND MAPPING SCIENTISTS	40	0.05	49.48	4.17
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	2,520	3.30	N.A.	N.A.
CIVIL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	180	0.23	34.74	3.57
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	690	0.91	20.31	8.93
MECHANICAL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	160	0.21	39.36	1.79
DRAFTERS	480	0.63	12.97	14.88
ESTIMATORS AND DRAFTERS, UTILITIES	270	0.35	35.35	5.95
SURVEYING AND MAPPING TECHNICIANS AND TECHNOLOGISTS	330	0.43	16.17	6.55

SIC 49 ELECTRIC, GAS, AND SANITARY SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	410	0.54	17.61	8.93
NATURAL SCIENTISTS AND RELATED WORKERS	20	0.02	N.A.	N.A.
PHYSICAL SCIENTISTS	130	0.16	N.A.	N.A.
GEOLOGISTS, GEOPHYSICISTS, AND OCEANOGRAPHERS	100	0.13	38.21	5.95
ALL OTHER PHYSICAL SCIENTISTS	30	0.03	26.39	2.38
LIFE SCIENTISTS	20	0.02	13.31	2.38
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	230	0.30	35.32	3.57
COMPUTER SCIENTISTS AND RELATED WORKERS	1,910	2.51	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	1,140	1.50	10.78	10.12
COMPUTER PROGRAMMERS	480	0.63	10.87	10.71
COMPUTER PROGRAMMER AIDES	290	0.38	21.16	7.14
MATHEMATICAL SCIENTISTS AND RELATED WORKERS	100	0.13	N.A.	N.A.
ALL OTHER OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYST EXCEPT COMPUTER AND MATHEMATICAL SCIENTISTS SCIENTISTS	100	0.13	N.A.	N.A.
SOCIAL SCIENTISTS, INCLUDING URBAN AND REGIONAL PLANNERS	40	0.05	39.79	1.79
LAW AND RELATED OCCUPATIONS	210	0.27	N.A.	N.A.
LAWYERS	210	0.27	13.89	8.33
FARM AND HOME MANAGEMENT ADVISORS	100	0.13	31.24	5.95
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	50	0.06	20.23	3.57
WRITERS AND EDITORS	20	0.02	24.22	4.76
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	170	0.22	22.78	9.52
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	620	0.81	13.14	13.10
SALES AND RELATED OCCUPATIONS	1,240	1.61	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	70	0.09	25.40	7.74
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	430	0.56	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	430	0.56	15.38	15.48
CASHIERS	530	0.69	26.12	14.88
ALL OTHER SALES AND RELATED WORKERS	210	0.27	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	18,750	24.60	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,840	2.42	9.31	42.26
ADJUSTMENT CLERKS	170	0.22	35.35	6.55
BILL AND ACCOUNT COLLECTORS	970	1.28	21.30	21.43
SECRETARIES	1,830	2.41	10.91	56.55
STENOGRAPHERS	350	0.46	25.92	7.14

SIC 49 ELECTRIC, GAS, AND SANITARY SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
RECEPTIONISTS AND INFORMATION CLERKS	150	0.19	18.30	16.67
TYPISTS	420	0.55	23.39	10.12
TYPISTS, WORD PROCESSING EQUIPMENT	240	0.31	24.20	7.14
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	350	0.46	12.05	10.71
CORRESPONDENCE CLERKS	50	0.06	48.21	1.79
FILE CLERKS	220	0.29	25.34	11.31
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	180	0.23	20.20	8.33
STATISTICAL CLERKS	20	0.02	31.24	4.17
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	1,770	2.33	16.99	24.40
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,450	1.91	19.83	39.88
PAYROLL AND TIMEKEEPING CLERKS	120	0.15	18.38	11.90
BILLING, COST AND RATE CLERKS	240	0.31	30.47	14.88
GENERAL OFFICE CLERKS	3,440	4.54	12.89	52.98
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	1,070	1.39	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	230	0.30	28.61	9.52
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	250	0.33	14.86	10.12
PERIPHERAL EDP EQUIPMENT OPERATORS	210	0.27	13.29	4.76
DATA ENTRY KEYERS, EXCEPT COMPOSING	300	0.39	19.72	13.10
ALL OTHER OFFICE MACHINE OPERATORS	80	0.10	20.38	4.76
SWITCHBOARD OPERATORS	160	0.21	19.82	14.88
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	30	0.03	32.35	4.17
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	3,410	4.48	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	480	0.63	12.49	21.43
METER READERS, UTILITIES	1,960	2.58	17.49	33.93
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	560	0.73	8.97	19.64
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	160	0.21	38.74	3.57
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	250	0.33	26.97	5.95
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	270	0.35	16.48	11.31
SERVICE OCCUPATIONS	890	1.15	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	140	0.18	21.73	8.33
GUARDS AND WATCH GUARDS	90	0.11	26.30	5.36
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	80	0.10	42.00	4.17
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	500	0.66	19.92	27.38
ALL OTHER SERVICE WORKERS	80	0.10	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	80	0.10	N.A.	N.A.

SIC 49 ELECTRIC, GAS, AND SANITARY SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	35,650	46.81	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	4,450	5.86	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	1,820	2.40	12.56	39.29
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	1,060	1.39	17.15	19.05
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	1,570	2.07	21.01	17.86
PRECISION INSPECTORS, TESTERS, AND GRADERS	370	0.48	17.64	11.90
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	50	0.06	29.67	2.98
MACHINERY MAINTENANCE MECHANICS	2,270	2.99	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS, WATER OR POWER GENERATION PLANT	2,250	2.97	16.05	21.43
ALL OTHER MACHINERY MAINTENANCE MECHANICS	20	0.02	16.15	2.38
MACHINERY MAINTENANCE WORKERS	130	0.17	43.41	0.60
MAINTENANCE REPAIRERS, GENERAL UTILITY	1,800	2.37	32.28	29.76
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	1,050	1.37	N.A.	N.A.
AUTOMOTIVE MECHANICS	540	0.71	22.13	12.50
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	340	0.44	20.38	10.12
MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	170	0.22	36.42	4.17
ELECTRIC MOTOR, TRANSFORMER, AND RELATED REPAIRERS	80	0.10	38.42	3.57
ELECTRONICS REPAIRERS, COMMERCIAL AND INDUSTRIAL EQUIPMENT	140	0.18	42.46	1.79
POWERHOUSE, SUBSTATION, AND RELAY ELECTRICIANS	1,360	1.79	23.46	6.55
ELECTRICAL POWERLINE INSTALLERS AND REPAIRERS	4,220	5.57	15.41	13.69
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	550	0.72	27.35	4.76
PRECISION INSTRUMENT REPAIRERS	270	0.35	20.15	10.71
ELECTRIC METER INSTALLERS AND REPAIRERS	880	1.16	24.31	11.90
MECHANICAL CONTROL AND VALVE INSTALLERS AND REPAIRERS	2,700	3.56	19.94	14.88
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	140	0.18	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	1,400	1.82	N.A.	N.A.
CARPENTERS	20	0.02	45.61	1.19
ELECTRICIANS	580	0.76	27.99	8.93
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	310	0.40	49.23	4.76
ALL OTHER PLUMBING AND RELATED WORKERS	290	0.38	N.A.	N.A.
ALL OTHER CONSTRUCTION TRADES WORKERS	200	0.26	16.29	4.76
EXTRACTIVE AND RELATED WORKERS- INCLUDING BLASTERS	120	0.15	43.19	0.60

SIC 49 ELECTRIC, GAS, AND SANITARY SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PRECISION METAL WORKERS	190	0.25	N.A.	N.A.
MACHINISTS	190	0.25	36.93	4.76
PRECISION WORKERS, NEC	120	0.15	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	120	0.15	29.61	2.98
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	300	0.39	N.A.	N.A.
BOILER OPERATORS AND TENDERS, LOW PRESSURE	80	0.10	35.89	1.79
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	220	0.29	37.27	2.38
OTHER HAND WORKERS, NEC	420	0.55	N.A.	N.A.
WELDERS AND CUTTERS	420	0.55	21.57	17.26
PLANT AND SYSTEM WORKERS	4,100	5.39	N.A.	N.A.
WATER AND LIQUID WASTE TREATMENT PLANT & SYSTEM OPERATORS	500	0.66	14.72	19.05
GAS PLANT OPERATORS	1,540	2.03	32.55	8.93
POWER GENERATING PLANT OPERATORS, EXCEPT AUXILIARY EQUIPMENT OPERATORS	890	1.17	19.47	7.74
AUXILIARY EQUIPMENT OPERATORS, POWER	750	0.99	21.37	5.95
POWER REACTOR OPERATORS	30	0.03	42.97	0.60
POWER DISTRIBUTORS AND DISPATCHERS	390	0.51	12.58	5.95
MOTOR VEHICLE OPERATORS	1,430	1.88	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	1,300	1.71	10.69	15.48
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	130	0.17	44.56	6.55
ALL OTHER TRANSPORTATION AND RELATED WORKERS	60	0.07	30.66	4.76
MATERIAL MOVING EQUIPMENT OPERATORS	3,020	3.96	N.A.	N.A.
GAS PUMPING STATION OPERATORS	300	0.39	26.89	4.76
GAS COMPRESSOR OPERATORS	200	0.26	48.99	2.38
CRANE AND TOWER OPERATORS	70	0.09	48.96	2.38
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	270	0.35	19.96	4.76
OPERATING ENGINEERS	2,180	2.87	31.17	10.12
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	40	0.05	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	950	1.25	31.60	8.33
CONSTRUCTION TRADES AND EXTRACTIVE WORKER HELPERS	970	1.27	N.A.	N.A.
HELPERS- ELECTRICIANS AND POWERLINE TRANSMISSION INSTALLERS	740	0.97	13.22	9.52
HELPERS, ALL OTHER CONSTRUCTION TRADES	230	0.30	42.92	5.36
REFUSE COLLECTORS	1,350	1.78	9.40	12.50
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	630	0.83	17.50	13.10
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	90	0.11	N.A.	N.A.

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REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	41,480	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,350	5.62	N.A.	N.A.
FINANCIAL MANAGERS	160	0.38	24.54	33.33
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	90	0.21	23.31	44.44
PURCHASING MANAGERS	30	0.07	29.97	29.63
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	110	0.26	26.68	44.44
ADMINISTRATIVE SERVICES MANAGERS	170	0.40	24.12	44.44
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	520	1.25	17.34	44.44
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	360	0.86	13.55	59.26
GENERAL MANAGERS AND TOP EXECUTIVES	420	1.01	14.49	74.07
ALL OTHER MANAGERS AND ADMINISTRATORS	490	1.18	17.11	44.44
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	7,410	17.67	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	800	1.90	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	610	1.46	16.87	44.44
BUDGET ANALYSTS	70	0.16	15.99	25.93
ALL OTHER FINANCIAL SPECIALISTS	120	0.28	36.83	29.63
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	220	0.53	8.08	40.74
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	410	0.98	8.33	29.63
ALL OTHER MANAGEMENT SUPPORT WORKERS	500	1.20	15.52	44.44
ENGINEERS	1,710	4.07	N.A.	N.A.
CHEMICAL ENGINEERS	70	0.16	26.52	18.52
NUCLEAR ENGINEERS	10	0.02	42.32	3.70
CIVIL ENGINEERS, INCLUDING TRAFFIC	70	0.16	48.46	25.93
ELECTRICAL AND ELECTRONIC ENGINEERS	640	1.54	15.15	51.85
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	780	1.87	41.76	25.93
SAFETY ENGINEERS, EXCEPT MINING	60	0.14	21.62	22.22
MECHANICAL ENGINEERS	40	0.09	46.53	22.22
ALL OTHER ENGINEERS	40	0.09	44.59	22.22
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	1,810	4.33	N.A.	N.A.
CIVIL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	140	0.33	42.47	7.41
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	580	1.39	19.25	37.04
MECHANICAL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	150	0.36	43.19	3.70
DRAFTERS	130	0.31	16.27	40.74
ESTIMATORS AND DRAFTERS, UTILITIES	270	0.65	35.61	33.33
SURVEYING AND MAPPING TECHNICIANS AND TECHNOLOGISTS	260	0.62	16.77	14.81
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	280	0.67	19.00	29.63

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REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
NATURAL SCIENTISTS AND RELATED WORKERS	20	0.04	N.A.	N.A.
PHYSICAL SCIENTISTS	30	0.07	N.A.	N.A.
ALL OTHER PHYSICAL SCIENTISTS	30	0.07	33.47	3.70
LIFE SCIENTISTS	20	0.04	13.54	11.11
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	210	0.50	38.18	11.11
COMPUTER SCIENTISTS AND RELATED WORKERS	970	2.32	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	600	1.44	6.55	37.04
COMPUTER PROGRAMMERS	290	0.69	15.13	37.04
COMPUTER PROGRAMMER AIDES	80	0.19	46.63	22.22
SOCIAL SCIENTISTS, INCLUDING URBAN AND REGIONAL PLANNERS	30	0.07	41.33	7.41
LAW AND RELATED OCCUPATIONS	20	0.04	N.A.	N.A.
LAWYERS	20	0.04	29.75	11.11
FARM AND HOME MANAGEMENT ADVISORS	90	0.21	35.40	29.63
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	50	0.12	21.70	14.81
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	110	0.26	23.51	22.22
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	430	1.03	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	640	1.52	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	20	0.04	7.96	14.81
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	150	0.36	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	150	0.36	26.05	14.81
CASHIERS	450	1.08	30.10	48.15
ALL OTHER SALES AND RELATED WORKERS	20	0.04	39.58	11.11
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	10,340	24.78	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,200	2.89	5.77	70.37
ADJUSTMENT CLERKS	110	0.26	25.37	22.22
BILL AND ACCOUNT COLLECTORS	830	2.00	24.60	40.74
SECRETARIES	630	1.51	20.53	66.67
STENOGRAPHERS	110	0.26	22.31	18.52
RECEPTIONISTS AND INFORMATION CLERKS	70	0.16	28.27	37.04
TYPISTS	360	0.86	27.49	22.22
TYPISTS, WORD PROCESSING EQUIPMENT	110	0.26	15.51	18.52
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	270	0.65	12.40	29.63
FILE CLERKS	40	0.09	41.19	22.22
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	120	0.28	24.45	22.22
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	1,320	3.18	20.25	66.67

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REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	520	1.25	13.23	55.56
PAYROLL AND TIMEKEEPING CLERKS	80	0.19	24.23	29.63
BILLING, COST AND RATE CLERKS	130	0.31	48.87	29.63
GENERAL OFFICE CLERKS	1,370	3.30	16.71	66.67
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	610	1.44	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	170	0.40	19.10	33.33
PERIPHERAL EDP EQUIPMENT OPERATORS	200	0.48	13.86	18.52
DATA ENTRY KEYERS, EXCEPT COMPOSING	120	0.28	21.51	37.04
ALL OTHER OFFICE MACHINE OPERATORS	120	0.28	N.A.	N.A.
SWITCHBOARD OPERATORS	110	0.26	27.48	37.04
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	30	0.07	35.33	18.52
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	2,170	5.20	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	310	0.74	15.39	40.74
METER READERS, UTILITIES	970	2.33	13.86	74.07
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	490	1.18	8.77	77.78
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	160	0.38	39.44	18.52
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	240	0.57	28.60	14.81
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	150	0.36	17.36	25.93
SERVICE OCCUPATIONS	380	0.90	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	30	0.07	8.90	22.22
GUARDS AND WATCH GUARDS	20	0.04	44.86	7.41
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	250	0.60	25.21	66.67
ALL OTHER SERVICE WORKERS	80	0.19	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	80	0.19	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	20,280	48.64	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	3,080	7.40	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	1,160	2.79	16.07	77.78
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	680	1.63	16.63	37.04
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	1,240	2.98	26.01	33.33

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REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PRECISION INSPECTORS, TESTERS, AND GRADERS	120	0.28	24.41	25.93
MACHINERY MAINTENANCE MECHANICS	1,550	3.73	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS, WATER OR POWER GENERATION PLANT	1,550	3.73	9.58	37.04
MACHINERY MAINTENANCE WORKERS	130	0.31	43.41	3.70
MAINTENANCE REPAIRERS, GENERAL UTILITY	180	0.43	19.21	37.04
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	730	1.74	N.A.	N.A.
AUTOMOTIVE MECHANICS	410	0.98	28.19	25.93
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	160	0.38	40.95	14.81
MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	160	0.38	37.07	14.81
ELECTRIC MOTOR, TRANSFORMER, AND RELATED REPAIRERS	80	0.19	38.88	18.52
ELECTRONICS REPAIRERS, COMMERCIAL AND INDUSTRIAL EQUIPMENT	140	0.33	42.46	11.11
POWERHOUSE, SUBSTATION, AND RELAY ELECTRICIANS	1,360	3.27	23.46	40.74
ELECTRICAL POWERLINE INSTALLERS AND REPAIRERS	4,190	10.09	15.52	81.48
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	500	1.20	29.46	14.81
PRECISION INSTRUMENT REPAIRERS	120	0.28	31.07	29.63
ELECTRIC METER INSTALLERS AND REPAIRERS	860	2.07	24.83	59.26
MECHANICAL CONTROL AND VALVE INSTALLERS AND REPAIRERS	260	0.62	39.33	7.41
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	500	1.20	N.A.	N.A.
ELECTRICIANS	500	1.20	31.53	33.33
EXTRACTIVE AND RELATED WORKERS- INCLUDING BLASTERS	120	0.28	43.19	3.70
PRECISION METAL WORKERS	20	0.04	N.A.	N.A.
MACHINISTS	20	0.04	34.98	11.11
PRECISION WORKERS, NEC	20	0.04	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	20	0.04	44.01	3.70
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	210	0.49	N.A.	N.A.
BOILER OPERATORS AND TENDERS, LOW PRESSURE	20	0.04	38.78	7.41
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	190	0.45	43.20	3.70
OTHER HAND WORKERS, NEC	20	0.04	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	20	0.04	N.A.	N.A.
PLANT AND SYSTEM WORKERS	2,170	5.21	N.A.	N.A.
GAS PLANT OPERATORS	160	0.38	43.25	3.70
POWER GENERATING PLANT OPERATORS, EXCEPT AUXILIARY EQUIPMENT OPERATORS	860	2.07	20.03	40.74
AUXILIARY EQUIPMENT OPERATORS, POWER	740	1.78	21.69	33.33
POWER REACTOR OPERATORS	30	0.07	42.97	3.70
POWER DISTRIBUTORS AND DISPATCHERS	380	0.91	12.71	33.33

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REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MOTOR VEHICLE OPERATORS	670	1.61	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	590	1.42	17.20	22.22
ALL OTHER MOTOR VEHICLE OPERATORS	80	0.19	N.A.	N.A.
ALL OTHER TRANSPORTATION AND RELATED WORKERS	10	0.02	53.71	11.11
MATERIAL MOVING EQUIPMENT OPERATORS	1,110	2.66	N.A.	N.A.
GAS PUMPING STATION OPERATORS	160	0.38	42.97	7.41
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	110	0.26	31.77	7.41
OPERATING ENGINEERS	840	2.02	38.17	18.52
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	80	0.19	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	890	2.14	33.91	22.22
CONSTRUCTION TRADES AND EXTRACTIVE WORKER HELPERS	800	1.92	N.A.	N.A.
HELPERS- ELECTRICIANS AND POWERLINE TRANSMISSION INSTALLERS	700	1.68	13.75	51.85
ALL OTHER CONSTRUCTION TRADES AND EXTRACTIVE WORKER HELPERS	100	0.24	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	300	0.72	36.13	22.22
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	60	0.14	N.A.	N.A.

SIC 492 GAS PRODUCTION AND DISTRIBUTION
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	26,830	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	3,180	11.82	N.A.	N.A.
FINANCIAL MANAGERS	180	0.67	29.47	37.04
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	100	0.37	9.76	33.33
PURCHASING MANAGERS	80	0.29	23.67	29.63
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	160	0.59	48.94	51.85
ADMINISTRATIVE SERVICES MANAGERS	160	0.59	23.47	40.74
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	150	0.55	21.89	37.04
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	990	3.69	25.92	74.07
GENERAL MANAGERS AND TOP EXECUTIVES	1,110	4.14	29.22	74.07
ALL OTHER MANAGERS AND ADMINISTRATORS	250	0.93	24.50	48.15
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	5,220	19.33	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	1,280	4.77	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	1,070	3.99	19.73	37.04
BUDGET ANALYSTS	100	0.37	31.44	14.81
ALL OTHER FINANCIAL SPECIALISTS	110	0.41	24.79	22.22
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	400	1.49	22.97	40.74
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	300	1.11	21.76	44.44
ALL OTHER MANAGEMENT SUPPORT WORKERS	310	1.15	25.90	40.74
ENGINEERS	500	1.83	N,A.	N.A.
CHEMICAL ENGINEERS	120	0.44	42.23	14.81
CIVIL ENGINEERS, INCLUDING TRAFFIC	270	1.00	19.62	14.81
ELECTRICAL AND ELECTRONIC ENGINEERS	50	0.18	41.85	11.11
SAFETY ENGINEERS, EXCEPT MINING	20	0.07	23.56	14.81
MECHANICAL ENGINEERS	40	0.14	46.77	18.52
ALL OTHER ARCHITECTS AND SURVEYING AND MAPPING SCIENTISTS	40	0.14	N.A.	N.A.
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	690	2.55	N.A.	N.A.
MECHANICAL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	20	0.07	33.77	7.41
DRAFTERS	340	1.26	16.99	44.44
SURVEYING AND MAPPING TECHNICIANS AND TECHNOLOGISTS	60	0.22	47.39	22.22
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	270	1.00	N.A.	N.A.
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	90	0.33	N.A.	N.A.
PHYSICAL SCIENTISTS	90	0.33	N.A.	N.A.
GEOLOGISTS, GEOPHYSICISTS, AND OCEANOGRAPHERS	90	0.33	42.41	25.93
COMPUTER SCIENTISTS AND RELATED WORKERS	930	3.46	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	540	2.01	21.48	22.22

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
COMPUTER PROGRAMMERS	180	0.67	15.02	18.52
COMPUTER PROGRAMMER AIDES	210	0.78	23.53	14.81
MATHEMATICAL SCIENTISTS AND RELATED WORKERS	90	0.33	N.A.	N.A.
ALL OTHER OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYST EXCEPT COMPUTER AND MATHEMATICAL SCIENTISTS SCIENTISTS	90	0.33	N.A.	N.A.
LAW AND RELATED OCCUPATIONS	190	0.70	N.A.	N.A.
LAWYERS	190	0.70	15.11	37.04
FARM AND HOME MANAGEMENT ADVISORS	10	0.03	45.21	7.41
WRITERS AND EDITORS	20	0.07	37.77	14.81
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	280	1.04	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	360	1.32	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	40	0.14	38.83	25.93
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	120	0.44	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	120	0.44	32.28	37.04
CASHIERS	30	0.11	24.54	18.52
ALL OTHER SALES AND RELATED WORKERS	170	0.63	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6,790	25.22	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	460	1.71	33.36	44.44
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	60	0.22	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	70	0.26	39.76	18.52
SECRETARIES	880	3.28	16.87	66.67
STENOGRAPHERS	240	0.89	36.11	22.22
RECEPTIONISTS AND INFORMATION CLERKS	60	0.22	34.24	29.63
TYPISTS	60	0.22	23.99	37.04
TYPISTS, WORD PROCESSING EQUIPMENT	130	0.48	42.11	25.93
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	70	0.26	33.83	25.93
FILE CLERKS	180	0.67	30.11	44.44
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	50	0.18	35.75	29.63
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	380	1.41	35.63	25.93
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	730	2.72	38.17	44.44
PAYROLL AND TIMEKEEPING CLERKS	20	0.07	45.91	11.11
GENERAL OFFICE CLERKS	1,770	6.60	21.36	74.07
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	400	1.47	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	120	0.44	43.53	7.41
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	80	0.29	22.95	25.93

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REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
DATA ENTRY KEYERS, EXCEPT COMPOSING	170	0.63	32.16	18.52
ALL OTHER OFFICE MACHINE OPERATORS	30	0.11	36.28	14.81
SWITCHBOARD OPERATORS	40	0.14	22.95	40.74
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	940	3.49	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	80	0.29	41.87	25.93
METER READERS, UTILITIES	780	2.91	40.18	29.63
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	60	0.22	42.28	22.22
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	20	0.07	35.02	22.22
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	250	0.93	N.A.	N.A.
SERVICE OCCUPATIONS	330	1.22	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	100	0.37	31.69	18.52
GUARDS AND WATCH GUARDS	70	0.26	31.61	18.52
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	70	0.26	46.23	11.11
ALL OTHER SERVICE WORKERS	90	0.33	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	10,950	40.73	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	1,120	4.17	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	560	2.09	23.69	62.96
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	340	1.26	42.18	40.74
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	220	0.82	30.01	37.04
PRECISION INSPECTORS, TESTERS, AND GRADERS	230	0.85	24.45	37.04
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	50	0.18	33.47	7.41
MACHINERY MAINTENANCE MECHANICS	520	1.94	N.A.	N.A.
ALL OTHER MACHINERY MAINTENANCE MECHANICS	520	1.94	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	1,380	5.15	41.98	44.44
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	60	0.22	N.A.	N.A.
AUTOMOTIVE MECHANICS	60	0.22	48.48	11.11
ELECTRICAL POWERLINE INSTALLERS AND REPAIRERS	30	0.11	49.23	3.70
PRECISION INSTRUMENT REPAIRERS	140	0.52	27.47	22.22
MECHANICAL CONTROL AND VALVE INSTALLERS AND REPAIRERS	2,340	8.73	22.57	51.85
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	160	0.59	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	700	2.60	N.A.	N.A.

SIC 492 GAS PRODUCTION AND DISTRIBUTION
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CARPENTERS	20	0.07	47.74	3.70
ALL OTHER PLUMBING AND RELATED WORKERS	510	1.90	N.A.	N.A.
ALL OTHER CONSTRUCTION TRADES WORKERS	170	0.63	18.82	18.52
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	80	0.29	N.A.	N.A.
PRECISION METAL WORKERS	170	0.63	N.A.	N.A.
MACHINISTS	170	0.63	41.16	18.52
PRECISION WORKERS, NEC	110	0.41	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	110	0.41	33.13	14.81
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	50	0.18	N.A.	N.A.
BOILER OPERATORS AND TENDERS, LOW PRESSURE	50	0.18	48.64	3.70
OTHER HAND WORKERS, NEC	310	1.15	N.A.	N.A.
WELDERS AND CUTTERS	310	1.15	27.74	51.85
PLANT AND SYSTEM WORKERS	1,380	5.15	N.A.	N.A.
GAS PLANT OPERATORS	1,380	5.15	35.96	51.85
MOTOR VEHICLE OPERATORS	60	0.22	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	60	0.22	N.A.	N.A.
ALL OTHER TRANSPORTATION AND RELATED WORKERS	50	0.18	36.15	18.52
MATERIAL MOVING EQUIPMENT OPERATORS	1,680	6.24	N.A.	N.A.
GAS PUMPING STATION OPERATORS	140	0.52	30.30	22.22
GAS COMPRESSOR OPERATORS	200	0.74	48.99	14.81
CRANE AND TOWER OPERATORS	20	0.07	47.74	3.70
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	80	0.29	35.75	7.41
OPERATING ENGINEERS	1,240	4.62	48.21	18.52
CONSTRUCTION TRADES AND EXTRACTIVE WORKER HELPERS	40	0.14	N.A.	N.A.
HELPERS- ELECTRICIANS AND POWERLINE TRANSMISSION INSTALLERS	40	0.14	48.83	3.70
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	180	0.67	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	110	0.41	N.A.	N.A.

SIC 494 WATER SUPPLY
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	2,190	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	270	12.32	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	50	2.28	26.14	13.85
GENERAL MANAGERS AND TOP EXECUTIVES	200	9.13	9.10	64.62
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	50	2.26	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	10	0.45	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	10	0.45	41.78	10.77
ALL OTHER MANAGEMENT SUPPORT WORKERS	20	0.91	35.64	4.62
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	10	0.45	5.60	3.08
SALES AND RELATED OCCUPATIONS	40	1.82	N.A.	N.A.
CASHIERS	40	1.82	37.57	9.23
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	840	38.30	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	100	4.56	17.47	32.31
BILL AND ACCOUNT COLLECTORS	40	1.82	31.26	12.31
SECRETARIES	120	5.47	14.29	43.08
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	50	2.28	26.89	16.92
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	80	3.65	15.35	27.69
BILLING, COST AND RATE CLERKS	20	0.91	43.38	7.69
GENERAL OFFICE CLERKS	160	7.30	14.25	40.00
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	50	2.28	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	50	2.28	26.44	15.38
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	210	9.58	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	10	0.45	20.66	4.62
METER READERS, UTILITIES	200	9.13	15.25	41.54
SERVICE OCCUPATIONS	40	1.82	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	1.82	37.43	9.23
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	950	43.31	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	120	5.46	N.A.	N.A

SIC 494 WATER SUPPLY
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	40	1.82	21.75	13.85
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	30	1.36	34.03	12.31
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	50	2.28	9.27	4.62
MACHINERY MAINTENANCE MECHANICS	150	6.84	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS, WATER OR POWER GENERATION PLANT	150	6.84	22.13	26.15
MAINTENANCE REPAIRERS, GENERAL UTILITY	150	6.84	22.09	26.15
ELECTRIC METER INSTALLERS AND REPAIRERS	20	0.91	41.95	6.15
MECHANICAL CONTROL AND VALVE INSTALLERS AND REPAIRERS	100	4.56	28.51	13.85
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	90	4.10	N.A.	N.A.
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	40	1.82	47.59	7.69
PIPELAYERS	50	2.28	47.75	6.15
PLANT AND SYSTEM WORKERS	280	12.78	N.A.	N.A.
WATER AND LIQUID WASTE TREATMENT PLANT & SYSTEM OPERATORS	280	12.78	15.19	30.77

SIC 495 SANITARY SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	5,040	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	510	10.07	N.A.	N.A.
FINANCIAL MANAGERS	40	0.79	26.97	31.58
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	60	1.18	26.32	36.84
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	110	2.17	42.42	23.68
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	50	0.99	27.05	28.95
GENERAL MANAGERS AND TOP EXECUTIVES	240	4.75	16.08	89.47
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	140	2.77	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	40	0.79	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	40	0.79	42.13	21.05
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	100	1.98	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	180	3.55	N.A.	N.A.
SALES REPRESENTATIVES AND SALESPERSONS, SERVICES	160	3.16	N.A.	N.A.
SALES AGENTS, SELECTED BUSINESS SERVICES	160	3.16	23.16	31.58
ALL OTHER SALES AND RELATED WORKERS	20	0.39	0.00	5.26
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	740	14.60	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	60	1.18	31.96	39.47
BILL AND ACCOUNT COLLECTORS	30	0.59	19.78	28.95
SECRETARIES	200	3.96	15.57	76.32
RECEPTIONISTS AND INFORMATION CLERKS	20	0.39	6.44	21.05
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	120	2.37	23.24	52.63
PAYROLL AND TIMEKEEPING CLERKS	20	0.39	5.32	21.05
BILLING, COST AND RATE CLERKS	20	0.39	47.49	13.16
GENERAL OFFICE CLERKS	130	2.57	17.28	55.26
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	20	0.39	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	20	0.39	11.99	18.42
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	70	1.38	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	70	1.38	15.32	39.47
SERVICE OCCUPATIONS	150	2.96	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	10	0.19	36.09	7.89
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	140	2.77	45.26	28.95

SIC 495 SANITARY SERVICES
REFERENCE DATE : APRIL 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	3,320	65.67	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	110	2.17	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	40	0.79	21.18	28.95
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	70	1.38	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS	20	0.39	N.A.	N.A.
ALL OTHER MACHINERY MAINTENANCE MECHANICS	20	0.39	19.82	5.26
MAINTENANCE REPAIRERS, GENERAL UTILITY	60	1.18	29.75	18.42
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	240	4.74	N.A.	N.A.
AUTOMOTIVE MECHANICS	60	1.18	15.31	21.05
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	180	3.56	13.37	31.58
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	20	0.39	N.A.	N.A.
ALL OTHER CONSTRUCTION TRADES WORKERS	20	0.39	25.65	2.63
OTHER HAND WORKERS, NEC	90	1.78	N.A.	N.A.
WELDERS AND CUTTERS	90	1.78	24.30	26.32
PLANT AND SYSTEM WORKERS	190	3.75	N.A.	N.A.
WATER AND LIQUID WASTE TREATMENT PLANT & SYSTEM OPERATORS	180	3.56	33.03	18.42
ALL OTHER PLANT AND SYSTEM OPERATORS	10	0.19	N.A.	N.A.
MOTOR VEHICLE OPERATORS	700	13.86	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	650	12.87	13.56	36.84
ALL OTHER MOTOR VEHICLE OPERATORS	50	0.99	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	190	3.76	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	90	1.78	36.45	10.53
OPERATING ENGINEERS	100	1.98	38.77	15.79
HELPERS, MECHANIC AND REPAIRER	30	0.59	8.06	13.16
REFUSE COLLECTORS	1,350	26.73	9.40	55.26
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	300	5.94	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 50 - WHOLESALE TRADE - DURABLE GOODS

This major group includes establishments primarily engaged in the wholesale distribution of durable goods.

SIC 501 - MOTOR VEHICLES AND MOTOR VEHICLE PARTS AND SUPPLIES

Included in this category are those establishments primarily engaged in the wholesale distribution of new and used passenger automobiles, trucks, and other motor vehicles. Also included are those engaged in the wholesale distribution of automotive parts, supplies, accessories, rubber tires and tubes for passenger and commercial vehicles.

SIC 502 - FURNITURE AND HOMEFURNISHINGS

Establishments primarily engaged in the wholesale distribution of furniture, including bedsprings, mattresses, and other household furniture; office furniture; and furniture for public parks and buildings; or wholesale distribution of homefurnishings and housewares, including antiques; china; glassware and earthenware; lamps; curtains and draperies; linens and towels; and carpets, linoleum, and all other types of hard and soft surface floor coverings.

SIC 503 - LUMBER AND OTHER CONSTRUCTION MATERIALS

This industry includes those establishments, with or without yards, primarily engaged in the wholesale distribution of rough, dressed, and finished lumber (but not timber); plywood; doors and windows and their frames (all materials); and other wood or metal millwork. Also included are those engaged in the wholesale distribution of such building materials as brick, building stone, cement, granite, gravel, lime, marble, plaster, building glass, roofing materials, sand, and tile.

SIC 504 - PROFESSIONAL AND COMMERCIAL EQUIPMENT AND SUPPLIES

This industry includes establishments engaged in the wholesale distribution of photographic equipment and supplies; office equipment; computers and computer peripheral equipment and software; commercial equipment; medical, dental, and hospital equipment and supplies; ophthalmic goods; and professional equipment and supplies.

SIC 505 - METALS AND MINERALS, EXCEPT PETROLEUM

Included in this industry are those establishments primarily engaged in marketing semifinished metal products, except precious metals. Establishments in this industry may operate with warehouses (metals service centers) or without warehouses (metals sales offices). Also included are those engaged in the wholesale distribution of coal and coke; copper, iron, lead, and other metallic ores, including precious metal ores; and crude nonmetallic minerals (including concentrates), except crude petroleum.

INDUSTRY CHARACTERISTICS (CONTINUED)

SIC 506 - ELECTRICAL GOODS

This industry group includes establishments primarily engaged in the wholesale distribution of electrical generating, distributing, and wiring equipment. It also includes household appliances, whether electrically, manually, or mechanically powered.

SIC 507 - HARDWARE, AND PLUMBING AND HEATING EQUIPMENT AND SUPPLIES

Included in this category are establishments engaged in the wholesale distribution of cutlery and general hardware, including hacksaws; warm air heating and air-conditioning equipment and supplies; refrigeration equipment and supplies; and hydronic plumbing and heating equipment and supplies.

SIC 508 - MACHINERY, EQUIPMENT, AND SUPPLIES

This industry includes establishments primarily engaged in wholesaling construction and mining machinery and equipment; farm and garden machinery and equipment; industrial machinery and equipment; industrial supplies; service establishment equipment and supplies; and transportation equipment and supplies, except motor vehicles.

SIC 509 - MISCELLANEOUS DURABLE GOODS

Included in this category are establishments primarily engaged in assembling, breaking up, sorting and wholesale distribution of scrap and waste materials. This industry includes auto wreckers engaged in dismantling automobiles for scrap. Also included in this category are establishments engaged in the wholesale distribution of jewelry, precious stones and metals, costume jewelry, watches, clocks, silverware, and jewelers' findings. The wholesale distribution of durable goods, not elsewhere classified, such as musical instruments and forest products, except lumber, are also included in this category.

SIC 50   WHOLESALE TRADE-DURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	254,560	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	28,140	11.00	N.A.	N.A.
FINANCIAL MANAGERS	850	0.33	15.17	16.76
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	250	0.09	28.36	6.97
PURCHASING MANAGERS	2,760	1.08	15.47	21.45
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	1,520	0.59	16.63	16.22
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	270	0.10	25.91	4.69
ALL OTHER ADMINISTRATIVE MANAGERS	1,620	0.63	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	610	0.23	18.36	10.46
GENERAL MANAGERS AND TOP EXECUTIVES	19,170	7.53	5.40	76.81
ALL OTHER MANAGERS AND ADMINISTRATORS	1,090	0.42	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	20,050	7.77	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	2,490	0.96	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	1,830	0.71	20.93	17.96
BUDGET ANALYSTS	220	0.08	36.68	2.68
ALL OTHER FINANCIAL SPECIALISTS	440	0.17	15.35	2.68
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	2,060	0.80	16.39	15.42
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	200	0.07	20.31	3.89
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	270	0.10	14.14	3.89
COST ESTIMATORS	100	0.03	40.78	1.74
ALL OTHER MANAGEMENT SUPPORT WORKERS	1,370	0.53	N.A.	N.A.
ENGINEERS	1,860	0.72	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERS	1,560	0.61	17.71	2.82
MECHANICAL ENGINEERS	300	0.11	40.55	2.14
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	4,530	1.77	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	4,210	1.65	26.30	6.97
MECHANICAL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	90	0.03	43.01	0.67
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	230	0.09	N.A.	N.A.
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	180	0.07	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	4,300	1.68	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	1,710	0.67	26.03	5.09
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	2,590	1.01	N.A.	N.A.
WRITERS AND EDITORS	30	0.01	38.70	0.80
ARTISTS AND RELATED WORKERS	30	0.01	39.44	1.21

SIC 50 WHOLESALE TRADE-DURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
DESIGNERS, EXCEPT INTERIOR DESIGNERS	170	0.06	36.58	2.01
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	2,460	0.96	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	74,210	29.10	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	7,350	2.88	11.88	32.17
SALES ENGINEERS	3,710	1.45	22.53	3.35
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	18,130	7.12	12.14	17.16
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	26,410	10.37	8.97	51.88
SALESPERSONS, RETAIL	4,260	1.67	26.44	10.32
SALESPERSONS, PARTS	9,700	3.81	13.36	15.55
COUNTER AND RENTAL CLERKS	160	0.06	47.42	1.61
STOCK CLERKS, SALES FLOOR	2,690	1.05	23.07	7.24
CASHIERS	400	0.15	21.89	4.69
NEWS AND STREET VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR SALES WORKERS, AND OTHER RELATED WORKERS	500	0.19	41.96	1.47
ALL OTHER SALES AND RELATED WORKERS	900	0.35	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	67,300	26.29	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	4,300	1.68	9.86	33.24
CREDIT AUTHORIZERS	160	0.06	26.13	4.29
CREDIT CHECKERS	770	0.30	24.85	8.71
ADJUSTMENT CLERKS	1,070	0.42	23.57	7.10
BILL AND ACCOUNT COLLECTORS	930	0.36	27.88	9.92
SECRETARIES	10,810	4.24	7.95	49.20
STENOGRAPHERS	40	0.01	40.83	0.80
RECEPTIONISTS AND INFORMATION CLERKS	2,180	0.85	13.82	22.92
TYPISTS	250	0.09	29.51	4.29
TYPISTS, WORD PROCESSING EQUIPMENT	400	0.15	21.13	5.90
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	90	0.03	21.54	3.49
FILE CLERKS	190	0.07	27.31	4.83
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	5,610	2.20	14.12	19.17
PROCUREMENT CLERKS	70	0.02	35.67	1.74
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	8,080	3.17	9.62	42.09
PAYROLL AND TIMEKEEPING CLERKS	180	0.07	17.68	6.43
BILLING, COST AND RATE CLERKS	1,720	0.67	19.90	13.54
GENERAL OFFICE CLERKS	8,450	3.31	9.42	36.86

SIC 50 WHOLESALE TRADE-DURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	3,050	1.19	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	640	0.25	26.87	6.03
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	1,160	0.45	21.25	9.79
PERIPHERAL EDP EQUIPMENT OPERATORS	180	0.07	49.19	2.14
DATA ENTRY KEYERS, EXCEPT COMPOSING	1,070	0.42	20.91	10.46
SWITCHBOARD OPERATORS	330	0.12	15.45	9.65
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	130	0.05	20.37	3.89
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	18,250	7.14	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	610	0.23	48.00	4.02
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	400	0.15	23.76	3.62
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS, RECORDKEEPING	280	0.11	38.60	1.61
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	6,090	2.39	11.72	21.98
ORDER FILLERS, WHOLESALE AND RETAIL SALES	4,430	1.74	13.18	13.54
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	6,000	2.35	9.55	32.31
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	440	0.17	38.02	2.01
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	240	0.09	N.A.	N.A.
ERVICE OCCUPATIONS	1,170	0.43	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	40	0.01	37.92	0.94
GUARDS AND WATCH GUARDS	80	0.03	22.31	1.74
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	40	0.01	N.A.	N.A.
ALL OTHER FOOD SERVICE WORKERS	40	0.01	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	960	0.37	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	960	0.37	26.61	8.58
ALL OTHER SERVICE WORKERS	50	0.01	N.A.	N.A.
GRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	100	0.03	N.A.	N.A.
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	100	0.03	0.00	0.13
RODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL ANDLING OCCUPATIONS	63,540	24.71	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	3,900	1.51	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	2,730	1.07	17.38	14.34
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, CONSTRUCTION TRADES AND EXTRACTIVE WORKERS	90	0.03	40.16	1.61

SIC 50 WHOLESALE TRADE-DURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	500	0.19	15.78	8.71
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	580	0.22	N.A.	N.A.
PRODUCTION INSPECTORS, TESTERS, GRADERS, SORTERS, SAMPLERS, AND WEIGHERS	500	0.19	24.97	3.08
MACHINERY MAINTENANCE MECHANICS	50	0.01	36.91	1.34
MAINTENANCE REPAIRERS, GENERAL UTILITY	3,860	1.51	25.30	12.73
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	8,690	3.38	N.A.	N.A.
AUTOMOTIVE MECHANICS	1,710	0.67	25.29	5.09
AUTOMOTIVE BODY AND RELATED REPAIRERS	220	0.08	33.36	1.21
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	2,180	0.85	43.35	4.42
MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	680	0.26	46.11	2.41
FARM EQUIPMENT MECHANICS	3,410	1.33	49.32	1.07
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	490	0.19	N.A.	N.A.
ELECTRIC HOME APPLIANCE AND POWER TOOL REPAIRERS	210	0.08	37.69	0.80
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	5,670	2.22	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	6,420	2.52	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	830	0.30	N.A.	N.A.
ALL OTHER CARPENTRY AND RELATED WORKERS	190	0.07	N.A.	N.A.
ELECTRICIANS	470	0.18	40.45	0.94
ALL OTHER PLUMBING AND RELATED WORKERS	80	0.03	N.A.	N.A.
ALL OTHER SELECTED FLOOR RELATED WORKERS, EXCEPT CARPENTERS	50	0.01	N.A.	N.A.
ALL OTHER CONSTRUCTION TRADES WORKERS	40	0.01	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	80	0.03	N.A.	N.A
PRECISION METAL WORKERS	2,080	0.80	N.A.	N.A.
MACHINISTS	1,980	0.77	30.24	2.95
ALL OTHER PRECISION METAL WORKERS	100	0.03	N.A.	N.A.
PRECISION WOODWORKERS	120	0.04	N.A.	N.A.
WOOD MACHINISTS	90	0.03	45.72	0.40
ALL OTHER PRECISION WOODWORKERS	30	0.01	N.A.	N.A.
PRECISION WORKERS, NEC	150	0.05	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	150	0.05	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	1,050	0.39	N.A.	N.A.
PAINTERS, TRANSPORTATION EQUIPMENT	50	0.01	0.00	0.13
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	90	0.03	47.71	0.54
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	910	0.35	35.58	2.41

SIC 50 WHOLESALE TRADE-DURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
OTHER HAND WORKERS, NEC	5,290	2.07	N.A.	N.A.
WELDERS AND CUTTERS	2,280	0.89	17.72	8.71
ASSEMBLERS AND FABRICATORS, EXCEPT MACHINE, ELECTRICAL, ELECTRONIC, AND PRECISION	2,700	1.06	20.98	6.97
ALL OTHER HAND WORKERS, NEC	310	0.12	28.38	0.94
PLANT AND SYSTEM WORKERS	50	0.01	34.17	0.67
MOTOR VEHICLE OPERATORS	11,290	4.42	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	3,770	1.48	12.54	19.03
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	6,250	2.45	12.90	24.40
DRIVER/SALES WORKERS	1,270	0.49	39.65	2.28
MATERIAL MOVING EQUIPMENT OPERATORS	1,980	0.76	N.A.	N.A.
CRANE AND TOWER OPERATORS	240	0.09	19.91	2.68
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	1,540	0.60	25.70	9.79
CONVEYOR OPERATORS AND TENDERS	200	0.07	39.60	1.47
HELPERS, MECHANIC AND REPAIRER	270	0.10	34.14	2.01
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	4,960	1.94	16.06	14.21
HAND PACKERS AND PACKAGERS	1,360	0.53	22.33	4.69
VEHICLE WASHERS AND EQUIPMENT CLEANERS	570	0.22	38.08	0.94
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	3,780	1.48	13.92	11.13
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	430	0.16	N.A.	N.A.

SIC 501 MOTOR VEHICLES & AUTOMOTIVE EQUIPMENT
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	26,360	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,470	9.34	N.A.	N.A.
FINANCIAL MANAGERS	60	0.22	17.57	11.93
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	20	0.07	21.85	4.59
PURCHASING MANAGERS	330	1.25	34.43	17.43
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	90	0.34	24.12	11.93
ADMINISTRATIVE SERVICES MANAGERS	30	0.11	43.63	5.50
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	60	0.22	34.89	6.42
GENERAL MANAGERS AND TOP EXECUTIVES	1,830	6.95	10.14	79.82
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	800	2.99	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	180	0.68	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	180	0.68	33.20	17.43
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	200	0.75	41.22	13.76
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	10	0.03	23.72	2.75
ALL OTHER MANAGEMENT SUPPORT WORKERS	80	0.30	N.A.	N.A.
ENGINEERS	20	0.07	N.A.	N.A.
ALL OTHER ENGINEERS	20	0.07	40.66	2.75
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	160	0.60	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	160	0.60	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	110	0.41	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	30	0.11	49.67	1.83
COMPUTER PROGRAMMERS	80	0.30	47.19	6.42
SALES AND RELATED OCCUPATIONS	6,880	26.11	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	890	3.38	20.26	32.11
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,590	6.03	17.16	38.53
SALESPERSONS, RETAIL	640	2.43	24.56	23.85
SALESPERSONS, PARTS	2,820	10.71	16.15	43.12
STOCK CLERKS, SALES FLOOR	200	0.75	35.69	12.84
ALL OTHER SALES AND RELATED WORKERS	740	2.81	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	7,260	27.45	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	380	1.44	23.68	26.61
CREDIT AUTHORIZERS	20	0.07	36.86	5.50

SIC 501 MOTOR VEHICLES & AUTOMOTIVE EQUIPMENT
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CREDIT CHECKERS	50	0.18	33.43	5.50
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	60	0.22	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	100	0.37	15.52	6.42
SECRETARIES	610	2.31	19.28	38.53
RECEPTIONISTS AND INFORMATION CLERKS	100	0.37	48.98	9.17
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	20	0.07	38.51	3.67
FILE CLERKS	30	0.11	45.99	3.67
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	360	1.36	32.26	13.76
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	840	3.19	16.09	46.79
PAYROLL AND TIMEKEEPING CLERKS	30	0.11	32.32	6.42
BILLING, COST AND RATE CLERKS	190	0.72	36.43	9.17
GENERAL OFFICE CLERKS	680	2.58	26.65	36.70
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	320	1.21	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	80	0.30	43.44	9.17
ALL OTHER OFFICE MACHINE OPERATORS	240	0.91	N.A.	N.A.
SWITCHBOARD OPERATORS	20	0.07	45.90	6.42
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	10	0.03	41.64	3.67
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	3,380	12.82	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,150	4.36	25.99	22.02
ORDER FILLERS, WHOLESALE AND RETAIL SALES	1,230	4.67	27.43	17.43
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	820	3.11	26.87	26.61
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	180	0.68	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	60	0.22	28.53	2.75
SERVICE OCCUPATIONS	350	1.31	N.A.	N.A.
GUARDS AND WATCH GUARDS	40	0.15	33.91	2.75
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	40	0.15	N.A.	N.A.
ALL OTHER FOOD SERVICE WORKERS	40	0.15	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	250	0.94	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	250	0.94	27.01	17.43
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	60	0.22	N.A.	N.A.
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	60	0.22	0.00	0.92
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	8,540	32.31	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	440	1.66	N.A.	N.A.

SIC 501 MOTOR VEHICLES & AUTOMOTIVE EQUIPMENT
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	290	1.10	23.37	17.43
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	70	0.26	49.78	7.34
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	80	0.30	N.A.	N.A.
PRODUCTION INSPECTORS, TESTERS, GRADERS, SORTERS, SAMPLERS, AND WEIGHERS	60	0.22	44.74	3.67
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	2,710	10.28	N.A.	N.A.
AUTOMOTIVE MECHANICS	1,630	6.19	26.37	23.85
AUTOMOTIVE BODY AND RELATED REPAIRERS	220	0.83	33.36	8.26
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	860	3.26	33.05	9.17
ELECTRICAL INSTALLERS & REPAIRERS, TRANSPORTATION EQUIPMENT TRANSPORTATION EQUIPMENT	40	0.15	0.00	0.92
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	360	1.36	N.A.	N.A.
PRECISION METAL WORKERS	360	1.36	N.A.	N.A.
MACHINISTS	360	1.36	43.87	5.50
PRECISION WORKERS, NEC	20	0.07	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	20	0.07	0.00	0.92
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	70	0.25	N.A.	N.A.
PAINTERS, TRANSPORTATION EQUIPMENT	50	0.18	0.00	0.92
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	20	0.07	0.00	0.92
OTHER HAND WORKERS, NEC	710	2.69	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	710	2.69	N.A.	N.A.
MOTOR VEHICLE OPERATORS	2,190	8.30	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	320	1.21	33.41	12.84
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	1,620	6.15	18.66	44.95
ALL OTHER MOTOR VEHICLE OPERATORS	250	0.94	N.A.	N.A.
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	60	0.22	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	160	0.60	41.19	6.42
VEHICLE WASHERS AND EQUIPMENT CLEANERS	370	1.40	28.74	5.50
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	940	3.57	N.A.	N.A.

SIC 502 FURNITURE AND HOME FURNISHINGS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	9,580	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	940	9.75	N.A.	N.A.
FINANCIAL MANAGERS	50	0.52	20.91	22.81
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	20	0.20	34.68	14.04
PURCHASING MANAGERS	130	1.35	34.41	19.30
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	50	0.52	19.49	19.30
ADMINISTRATIVE SERVICES MANAGERS	10	0.10	48.72	5.26
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	50	0.52	22.08	17.54
GENERAL MANAGERS AND TOP EXECUTIVES	590	6.13	11.33	77.19
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	260	2.68	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	60	0.62	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	60	0.62	36.92	15.79
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	60	0.62	23.45	14.04
COMPUTER SCIENTISTS AND RELATED WORKERS	20	0.20	N.A.	N.A.
COMPUTER PROGRAMMERS	20	0.20	8.00	8.77
DESIGNERS, EXCEPT INTERIOR DESIGNERS	60	0.62	38.52	14.04
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	60	0.62	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,790	29.01	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	210	2.18	18.34	38.60
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	2,040	21.22	9.76	77.19
SALESPERSONS, RETAIL	370	3.85	25.43	28.07
STOCK CLERKS, SALES FLOOR	80	0.83	48.74	8.77
CASHIERS	80	0.83	0.00	1.75
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,450	35.82	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	210	2.18	17.11	36.84
CREDIT CHECKERS	20	0.20	48.41	8.77
ADJUSTMENT CLERKS	60	0.62	39.55	10.53
BILL AND ACCOUNT COLLECTORS	60	0.62	26.94	17.54
SECRETARIES	390	4.05	15.39	59.65
RECEPTIONISTS AND INFORMATION CLERKS	80	0.83	29.03	28.07
TYPISTS, WORD PROCESSING EQUIPMENT	50	0.52	44.21	10.53
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	350	3.64	16.69	31.58

SIC 502 FURNITURE AND HOME FURNISHINGS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	280	2.91	15.71	54.39
BILLING, COST AND RATE CLERKS	50	0.52	33.38	14.04
GENERAL OFFICE CLERKS	470	4.89	18.18	45.61
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	200	2.07	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	80	0.83	37.69	12.28
ALL OTHER OFFICE MACHINE OPERATORS	120	1.24	N.A.	N.A.
SWITCHBOARD OPERATORS	20	0.20	32.73	12.28
ALL OTHER MAIL AND MESSAGE DISTRIBUTION WORKERS	10	0.10	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,100	11.43	N.A.	N.A.
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS, RECORDKEEPING	60	0.62	0.00	1.75
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	530	5.51	23.70	36.84
ORDER FILLERS, WHOLESALE AND RETAIL SALES	150	1.56	18.81	14.04
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	360	3.74	17.36	40.35
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	100	1.04	N.A.	N.A.
SERVICE OCCUPATIONS	40	0.41	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.41	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.41	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	2,100	21.79	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	120	1.24	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	70	0.72	34.58	12.28
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	50	0.52	35.45	10.53
MAINTENANCE REPAIRERS, GENERAL UTILITY	40	0.41	20.86	10.53
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	160	1.66	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	70	0.72	N.A.	N.A.
ALL OTHER CARPENTRY AND RELATED WORKERS	70	0.72	N.A.	N.A.
PRECISION METAL WORKERS	10	0.10	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	10	0.10	N.A.	N.A.
PRECISION WOODWORKERS	30	0.31	N.A.	N.A.
ALL OTHER PRECISION WOODWORKERS	30	0.31	N.A.	N.A.
OTHER HAND WORKERS, NEC	260	2.70	N.A.	N.A.

SIC 502 FURNITURE AND HOME FURNISHINGS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER HAND WORKERS, NEC	260	2.70	N.A.	N.A.
MOTOR VEHICLE OPERATORS	420	4.36	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	160	1.66	36.93	19.30
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	260	2.70	23.77	17.54
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	50	0.52	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	420	4.37	24.37	24.56
HAND PACKERS AND PACKAGERS	200	2.08	43.64	7.02
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	230	2.39	45.24	12.28
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	90	0.93	N.A.	N.A.

SIC 503 LUMBER AND CONSTRUCTION MATERIALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	12,790	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,260	9.82	N.A.	N.A.
FINANCIAL MANAGERS	100	0.78	30.59	19.18
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	20	0.15	30.25	6.85
PURCHASING MANAGERS	160	1.25	30.66	28.77
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	70	0.54	28.29	16.44
ADMINISTRATIVE SERVICES MANAGERS	20	0.15	42.77	2.74
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	10	0.07	38.53	5.48
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	70	0.54	37.46	12.33
GENERAL MANAGERS AND TOP EXECUTIVES	780	6.11	12.82	75.34
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	340	2.64	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	140	1.09	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	140	1.09	24.90	19.18
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	30	0.23	31.51	8.22
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	10	0.07	48.55	2.74
COMPUTER SCIENTISTS AND RELATED WORKERS	40	0.31	N.A.	N.A.
COMPUTER PROGRAMMERS	40	0.31	31.75	4.11
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	120	0.94	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,690	21.05	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	250	1.95	27.68	23.29
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	310	2.42	47.84	12.33
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,930	15.12	13.53	73.97
ALL OTHER SALES AND RELATED WORKERS	200	1.56	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,880	30.30	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	250	1.95	22.49	31.51
CREDIT CHECKERS	50	0.39	22.98	13.70
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	40	0.31	N.A.	N.A.
SECRETARIES	430	3.36	16.73	43.84
RECEPTIONISTS AND INFORMATION CLERKS	80	0.62	35.67	16.44
FILE CLERKS	10	0.07	44.91	4.11
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	170	1.33	34.18	15.07

SIC 503 LUMBER AND CONSTRUCTION MATERIALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	370	2.89	17.16	36.99
BILLING, COST AND RATE CLERKS	160	1.25	32.39	19.18
GENERAL OFFICE CLERKS	650	5.09	19.88	42.47
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	170	1.32	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	70	0.54	49.09	9.59
DATA ENTRY KEYERS, EXCEPT COMPOSING	40	0.31	18.37	8.22
ALL OTHER OFFICE MACHINE OPERATORS	60	0.47	N.A.	N.A.
SWITCHBOARD OPERATORS	20	0.15	18.96	9.59
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,420	11.10	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	600	4.70	26.53	24.66
ORDER FILLERS, WHOLESALE AND RETAIL SALES	250	1.95	36.06	12.33
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	380	2.97	20.55	38.36
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	190	1.48	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	60	0.47	N.A.	N.A.
SERVICE OCCUPATIONS	40	0.31	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.31	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.31	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	4,580	35.78	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	230	1.79	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	80	0.62	37.21	9.59
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	50	0.39	49.57	8.22
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	60	0.47	28.27	12.33
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	40	0.31	39.42	6.85
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	70	0.54	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	150	1.17	39.19	15.07
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	120	0.93	N.A.	N.A.
AUTOMOTIVE MECHANICS	20	0.15	43.27	5.48
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	100	0.78	N.A.	N.A.

SIC 503 LUMBER AND CONSTRUCTION MATERIALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	160	1.25	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	140	1.09	N.A.	N.A.
ALL OTHER CARPENTRY AND RELATED WORKERS	100	0.78	N.A.	N.A.
ALL OTHER CONSTRUCTION TRADES WORKERS	40	0.31	N.A.	N.A.
PRECISION METAL WORKERS	70	0.54	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	70	0.54	N.A.	N.A.
PRECISION WOODWORKERS	90	0.70	N.A.	N.A.
WOOD MACHINISTS	90	0.70	45.72	4.11
OTHER HAND WORKERS, NEC	650	5.09	N.A.	N.A.
WELDERS AND CUTTERS	110	0.86	43.04	8.22
ASSEMBLERS AND FABRICATORS, EXCEPT MACHINE, ELECTRICAL, ELECTRONIC, AND PRECISION	540	4.23	25.40	20.55
MOTOR VEHICLE OPERATORS	1,220	9.54	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	830	6.50	20.14	39.73
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	380	2.97	27.02	24.66
ALL OTHER MOTOR VEHICLE OPERATORS	10	0.07	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	460	3.60	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	460	3.60	27.21	26.03
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	100	0.78	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	600	4.70	26.47	20.55
HAND PACKERS AND PACKAGERS	160	1.25	43.26	4.11
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	250	1.95	40.55	12.33
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	110	0.86	N.A.	N.A.

SIC 504 PROFESSIONAL & COMMERCIAL EQUIP&SUPPL
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	57,770	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	5,580	9.63	N.A.	N.A.
FINANCIAL MANAGERS	140	0.24	48.69	22.41
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	690	1.19	34.85	29.31
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	70	0.12	44.05	12.07
ALL OTHER ADMINISTRATIVE MANAGERS	1,720	2.97	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	160	0.27	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	2,410	4.17	19.66	67.24
ALL OTHER MANAGERS AND ADMINISTRATORS	390	0.67	47.55	20.69
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	10,790	18.63	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	760	1.31	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	760	1.31	N.A.	N.A.
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	80	0.13	9.39	8.62
ALL OTHER MANAGEMENT SUPPORT WORKERS	1,500	2.59	N.A.	N.A.
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	2,360	4.08	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	2,360	4.08	N.A.	N.A.
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	1,140	1.97	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	2,840	4.91	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	840	1.45	39.45	24.14
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	2,000	3.46	N.A.	N.A.
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	560	0.96	N.A.	N.A.
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	560	0.96	N.A.	N.A.
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	1,550	2.68	11.66	10.34
SALES AND RELATED OCCUPATIONS	18,260	31.61	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	1,400	2.42	23.93	41.38
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	7,980	13.82	19.79	55.17
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	5,920	10.25	31.34	32.76
ALL OTHER SALES AND RELATED WORKERS	2,960	5.12	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	12,390	21.39	N.A.	N.A.

SIC 504 PROFESSIONAL & COMMERCIAL EQUIP&SUPPL
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,020	1.76	32.44	41.38
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	520	0.90	N.A.	N.A.
SECRETARIES	3,360	5.81	17.95	62.07
RECEPTIONISTS AND INFORMATION CLERKS	480	0.83	26.95	48.28
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	1,080	1.87	42.92	32.76
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,380	2.39	31.19	36.21
GENERAL OFFICE CLERKS	2,330	4.03	21.70	37.93
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	280	0.47	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	200	0.34	21.03	17.24
ALL OTHER OFFICE MACHINE OPERATORS	80	0.13	N.A.	N.A.
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	10	0.01	N.A.	N.A.
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	20	0.03	31.69	5.17
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,570	2.71	N.A.	N.A.
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	570	0.98	49.32	22.41
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	1,000	1.73	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	340	0.58	N.A.	N.A.
SERVICE OCCUPATIONS	50	0.08	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.08	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.08	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	10,700	18.50	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	170	0.29	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	30	0.05	48.73	6.90
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	140	0.24	N.A.	N.A.
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	4,960	8.59	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	3,820	6.61	N.A.	N.A.
OTHER HAND WORKERS, NEC	100	0.17	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	100	0.17	N.A.	N.A.
MOTOR VEHICLE OPERATORS	610	1.05	N.A.	N.A.

SIC 504 PROFESSIONAL & COMMERCIAL EQUIP&SUPPL
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MOTOR VEHICLE OPERATORS	610	1.05	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	970	1.67	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	70	0.12	N.A.	N.A.

SIC 505 METALS AND MINERALS, EXCEPT PETROLEUM
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	10,250	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,380	13.44	N.A.	N.A.
FINANCIAL MANAGERS	70	0.68	24.40	15.71
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	10	0.09	36.32	5.71
PURCHASING MANAGERS	210	2.05	28.63	31.43
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	40	0.39	33.96	15.71
ADMINISTRATIVE SERVICES MANAGERS	20	0.19	43.85	7.14
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	20	0.19	45.55	2.86
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	30	0.29	36.78	10.00
GENERAL MANAGERS AND TOP EXECUTIVES	960	9.37	9.96	82.86
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	430	4.16	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	160	1.55	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	140	1.36	25.65	20.00
BUDGET ANALYSTS	20	0.19	43.27	2.86
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	40	0.39	47.54	7.14
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	40	0.39	32.29	8.57
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	20	0.19	43.27	2.86
ALL OTHER MANAGEMENT SUPPORT WORKERS	60	0.58	N.A.	N.A.
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	10	0.09	N.A.	N.A.
DRAFTERS	10	0.09	30.05	7.14
COMPUTER SCIENTISTS AND RELATED WORKERS	20	0.19	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	20	0.19	36.71	4.29
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	80	0.78	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,140	20.87	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	260	2.53	20.65	31.43
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,580	15.42	12.56	74.29
ALL OTHER SALES AND RELATED WORKERS	300	2.92	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,160	30.75	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	190	1.85	19.86	31.43
CREDIT AUTHORIZERS	10	0.09	46.77	5.71
CREDIT CHECKERS	50	0.48	33.13	10.00

SIC 505 METALS AND MINERALS, EXCEPT PETROLEUM
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BILL AND ACCOUNT COLLECTORS	20	0.19	37.99	7.14
SECRETARIES	570	5.56	17.77	52.86
RECEPTIONISTS AND INFORMATION CLERKS	130	1.26	24.38	31.43
FILE CLERKS	20	0.19	44.99	7.14
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	400	3.90	18.66	41.43
PAYROLL AND TIMEKEEPING CLERKS	10	0.09	30.16	5.71
BILLING, COST AND RATE CLERKS	60	0.58	39.79	15.71
GENERAL OFFICE CLERKS	350	3.41	19.76	38.57
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	160	1.55	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	70	0.68	48.66	8.57
DATA ENTRY KEYERS, EXCEPT COMPOSING	70	0.68	21.30	14.29
ALL OTHER OFFICE MACHINE OPERATORS	20	0.19	N.A.	N.A.
SWITCHBOARD OPERATORS	20	0.19	21.54	11.43
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	930	9.07	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	360	3.51	35.86	15.71
ORDER FILLERS, WHOLESALE AND RETAIL SALES	170	1.66	37.28	11.43
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	380	3.71	29.83	24.29
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	20	0.19	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	240	2.34	N.A.	N.A.
SERVICE OCCUPATIONS	50	0.48	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	30	0.29	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	30	0.29	35.57	8.57
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	3,090	30.09	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	130	1.26	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	80	0.78	45.31	7.14
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	50	0.48	31.24	8.57
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	200	1.95	N.A.	N.A.
PRECISION METAL WORKERS	90	0.87	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	90	0.87	N.A.	N.A.
OTHER HAND WORKERS, NEC	540	5.26	N.A.	N.A.
WELDERS AND CUTTERS	410	4.00	30.92	21.43

SIC 505 METALS AND MINERALS, EXCEPT PETROLEUM
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ASSEMBLERS AND FABRICATORS, EXCEPT MACHINE, ELECTRICAL, ELECTRONIC, AND PRECISION	130	1.26	47.22	7.14
MOTOR VEHICLE OPERATORS	740	7.21	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	560	5.46	21.35	40.00
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	180	1.75	33.25	17.14
MATERIAL MOVING EQUIPMENT OPERATORS	120	1.16	N.A.	N.A.
CRANE AND TOWER OPERATORS	20	0.19	42.00	4.29
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	100	0.97	38.14	8.57
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	30	0.29	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	800	7.81	19.23	20.00
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	220	2.14	46.86	8.57
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	220	2.14	N.A.	N.A.

SIC 506 ELECTRICAL GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	35,640	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	4,290	11.98	N.A.	N.A.
FINANCIAL MANAGERS	110	0.30	25.43	18.00
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	70	0.19	13.54	11.00
PURCHASING MANAGERS	520	1.45	23.74	26.00
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	340	0.95	13.43	27.00
ADMINISTRATIVE SERVICES MANAGERS	130	0.36	14.05	16.00
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	70	0.19	22.56	10.00
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	120	0.33	24.61	16.00
GENERAL MANAGERS AND TOP EXECUTIVES	2,700	7.57	9.29	75.00
ALL OTHER MANAGERS AND ADMINISTRATORS	230	0.64	25.64	12.00
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	3,130	8.74	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	350	0.98	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	350	0.98	22.93	30.00
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	380	1.06	25.70	19.00
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	80	0.22	35.75	7.00
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	100	0.28	10.76	8.00
ALL OTHER MANAGEMENT SUPPORT WORKERS	200	0.56	N.A.	N.A.
ENGINEERS	430	1.20	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERS	340	0.95	35.44	9.00
MECHANICAL ENGINEERS	90	0.25	34.38	6.00
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	760	2.13	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	660	1.85	29.97	21.00
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	100	0.28	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	590	1.64	N.A.	N.A.
COMPUTER PROGRAMMERS	80	0.22	26.95	8.00
COMPUTER PROGRAMMER AIDES	30	0.08	38.06	6.00
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	480	1.34	N.A.	N.A.
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	240	0.67	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	12,660	35.49	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	1,450	4.06	14.34	50.00

SIC 506 ELECTRICAL GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SALES ENGINEERS	920	2.58	27.29	12.00
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	4,290	12.03	13.26	47.00
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	3,680	10.32	14.95	38.00
SALESPERSONS, PARTS	970	2.72	27.11	20.00
STOCK CLERKS, SALES FLOOR	170	0.47	42.84	6.00
ALL OTHER SALES AND RELATED WORKERS	1,180	3.31	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	11,500	32.18	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	680	1.90	13.76	37.00
CREDIT CHECKERS	180	0.50	29.42	14.00
ADJUSTMENT CLERKS	370	1.03	35.02	16.00
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	40	0.11	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	220	0.61	33.21	14.00
SECRETARIES	1,280	3.59	13.41	54.00
RECEPTIONISTS AND INFORMATION CLERKS	350	0.98	24.88	27.00
TYPISTS, WORD PROCESSING EQUIPMENT	100	0.28	42.60	11.00
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	30	0.08	40.87	6.00
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	1,620	4.54	16.66	30.00
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,000	2.80	18.00	37.00
PAYROLL AND TIMEKEEPING CLERKS	30	0.08	33.82	9.00
BILLING, COST AND RATE CLERKS	340	0.95	25.93	19.00
GENERAL OFFICE CLERKS	920	2.58	19.01	29.00
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	460	1.28	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	140	0.39	41.63	10.00
DATA ENTRY KEYERS, EXCEPT COMPOSING	170	0.47	37.16	11.00
ALL OTHER OFFICE MACHINE OPERATORS	150	0.42	N.A.	N.A.
SWITCHBOARD OPERATORS	100	0.28	22.05	17.00
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	20	0.05	49.80	5.00
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	3,420	9.59	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	40	0.11	45.28	5.00
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	250	0.70	31.30	10.00
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,330	3.73	13.70	32.00
ORDER FILLERS, WHOLESALE AND RETAIL SALES	720	2.02	20.14	17.00
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	1,080	3.03	17.14	42.00
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	340	0.95	N.A.	N.A.

SIC 506 ELECTRICAL GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SERVICE OCCUPATIONS	20	0.05	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	4,040	11.28	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	360	1.00	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	290	0.81	30.02	16.00
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	30	0.08	47.16	4.00
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	40	0.11	47.46	6.00
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	70	0.19	N.A.	N.A.
DATA PROCESSING EQUIPMENT REPAIRERS	250	0.70	33.65	3.00
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	300	0.84	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	410	1.15	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	460	1.29	N.A.	N.A.
ELECTRICIANS	460	1.29	41.01	5.00
PRECISION METAL WORKERS	260	0.72	N.A.	N.A.
MACHINISTS	260	0.72	32.44	2.00
OTHER HAND WORKERS, NEC	550	1.54	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	550	1.54	39.38	3.00
MOTOR VEHICLE OPERATORS	670	1.87	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	580	1.62	23.37	20.00
ALL OTHER MOTOR VEHICLE OPERATORS	90	0.25	N.A.	N.A.
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	100	0.28	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	90	0.25	32.56	2.00
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	400	1.12	36.10	14.00
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	120	0.33	N.A.	N.A.

SIC 507 HARDWARE, PLUMBING & HEATING EQUIPMENT
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	19,010	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,360	12.37	N.A.	N.A.
FINANCIAL MANAGERS	70	0.36	42.37	17.11
PURCHASING MANAGERS	210	1.10	31.03	21.05
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	50	0.26	35.82	13.16
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	30	0.15	48.55	9.21
GENERAL MANAGERS AND TOP EXECUTIVES	1,930	10.14	10.65	78.95
ALL OTHER MANAGERS AND ADMINISTRATORS	70	0.36	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	800	4.17	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	150	0.78	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	150	0.78	35.78	11.84
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	250	1.31	28.04	25.00
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	190	0.99	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	190	0.99	N.A.	N.A.
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	10	0.05	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	100	0.52	N.A.	N.A.
COMPUTER PROGRAMMERS	100	0.52	44.24	17.11
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	100	0.52	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	5,430	28.52	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	500	2.62	21.75	31.58
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	640	3.36	36.14	17.11
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	2,810	14.77	15.79	53.95
SALESPERSONS, PARTS	920	4.83	35.21	23.68
STOCK CLERKS, SALES FLOOR	200	1.05	46.69	7.89
ALL OTHER SALES AND RELATED WORKERS	360	1.89	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6,100	31.98	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	430	2.26	23.40	36.84
CREDIT CHECKERS	50	0.26	42.48	7.89
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	90	0.47	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	110	0.57	32.17	15.79

SIC 507 HARDWARE, PLUMBING & HEATING EQUIPMENT
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SECRETARIES	810	4.25	16.75	51.32
RECEPTIONISTS AND INFORMATION CLERKS	230	1.20	29.62	23.68
TYPISTS, WORD PROCESSING EQUIPMENT	60	0.31	46.58	10.53
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	360	1.89	35.88	18.42
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	580	3.04	24.42	40.79
PAYROLL AND TIMEKEEPING CLERKS	20	0.10	44.47	7.89
BILLING, COST AND RATE CLERKS	180	0.94	35.47	15.79
GENERAL OFFICE CLERKS	760	3.99	18.99	40.79
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	260	1.36	N.A.	N.A.
PERIPHERAL EDP EQUIPMENT OPERATORS	10	0.05	35.65	3.95
DATA ENTRY KEYERS, EXCEPT COMPOSING	80	0.42	35.23	14.47
ALL OTHER OFFICE MACHINE OPERATORS	170	0.89	N.A.	N.A.
SWITCHBOARD OPERATORS	40	0.21	42.47	14.47
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,920	10.08	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	540	2.83	27.80	25.00
ORDER FILLERS, WHOLESALE AND RETAIL SALES	790	4.15	35.08	18.42
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	590	3.10	23.54	35.53
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	200	1.05	N.A.	N.A.
SERVICE OCCUPATIONS	50	0.26	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.26	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.26	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	4,270	22.38	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	280	1.46	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	140	0.73	44.71	11.84
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	10	0.05	33.34	3.95
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	130	0.68	N.A.	N.A.
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	30	0.15	N.A.	N.A.
ELECTRIC HOME APPLIANCE AND POWER TOOL REPAIRERS	100	0.52	42.80	3.95
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	40	0.21	N.A.	N.A.

SIC 507 HARDWARE, PLUMBING & HEATING EQUIPMENT
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	880	4.62	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	80	0.42	N.A.	N.A.
ALL OTHER PLUMBING AND RELATED WORKERS	80	0.42	N.A.	N.A.
PRECISION METAL WORKERS	120	0.63	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	120	0.63	N.A.	N.A.
OTHER HAND WORKERS, NEC	400	2.10	N.A.	N.A.
ASSEMBLERS AND FABRICATORS, EXCEPT MACHINE, ELECTRICAL, ELECTRONIC, AND PRECISION	400	2.10	44.98	9.21
PLANT AND SYSTEM WORKERS	40	0.21	42.56	3.95
MOTOR VEHICLE OPERATORS	940	4.93	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	230	1.20	39.10	13.16
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	670	3.52	24.93	28.95
ALL OTHER MOTOR VEHICLE OPERATORS	40	0.21	N.A.	N.A.
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	100	0.52	N.A.	N.A.
HAND PACKERS AND PACKAGERS	360	1.89	49.51	11.84
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	880	4.62	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	20	0.10	N.A.	N.A.

SIC 508 MACHINERY, EQUIPMENT, AND SUPPLIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	67,530	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	8,240	12.17	N.A.	N.A.
FINANCIAL MANAGERS	200	0.29	47.50	15.00
PURCHASING MANAGERS	660	0.97	44.85	18.33
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	150	0.22	35.19	13.33
ALL OTHER ADMINISTRATIVE MANAGERS	200	0.29	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	50	0.07	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	6,750	9.99	12.17	80.00
ALL OTHER MANAGERS AND ADMINISTRATORS	230	0.34	48.73	10.00
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	2,910	4.27	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	520	0.76	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	520	0.76	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	350	0.51	37.04	15.00
ALL OTHER MANAGEMENT SUPPORT WORKERS	130	0.19	N.A.	N.A.
ENGINEERS	400	0.59	N.A.	N.A.
ALL OTHER ENGINEERS	400	0.59	N.A.	N.A.
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	960	1.42	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	960	1.42	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	470	0.69	N.A.	N.A.
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	470	0.69	N.A.	N.A.
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	80	0.11	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	20,710	30.62	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	2,180	3.22	34.02	38.33
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	4,370	6.46	31.38	25.00
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	5,340	7.90	22.17	41.67
SALESPERSONS, PARTS	4,590	6.79	24.19	36.67
STOCK CLERKS, SALES FLOOR	1,270	1.87	42.42	11.67
ALL OTHER SALES AND RELATED WORKERS	2,960	4.38	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	15,950	23.50	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	880	1.30	21.72	33.33

SIC 508 MACHINERY, EQUIPMENT, AND SUPPLIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ADJUSTMENT CLERKS	60	0.08	47.82	6.67
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	230	0.34	N.A.	N.A.
SECRETARIES	2,760	4.08	19.45	46.67
RECEPTIONISTS AND INFORMATION CLERKS	600	0.88	39.15	21.67
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	1,460	2.16	37.21	21.67
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	2,810	4.15	20.52	48.33
PAYROLL AND TIMEKEEPING CLERKS	60	0.08	48.14	10.00
BILLING, COST AND RATE CLERKS	630	0.93	45.96	13.33
GENERAL OFFICE CLERKS	1,840	2.72	27.72	28.33
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	1,070	1.57	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	470	0.69	44.86	15.00
ALL OTHER OFFICE MACHINE OPERATORS	600	0.88	N.A.	N.A.
SWITCHBOARD OPERATORS	80	0.11	41.48	10.00
ALL OTHER MAIL AND MESSAGE DISTRIBUTION WORKERS	30	0.04	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	2,990	4.40	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,060	1.56	47.08	20.00
ORDER FILLERS, WHOLESALE AND RETAIL SALES	610	0.90	42.47	13.33
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	1,160	1.71	26.25	28.33
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	160	0.23	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	450	0.66	N.A.	N.A.
SERVICE OCCUPATIONS	420	0.62	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	420	0.62	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	420	0.62	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	19,280	28.45	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	1,520	2.24	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	1,520	2.24	29.29	25.00
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	140	0.20	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	1,900	2.81	42.41	21.67
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	5,640	8.34	N.A.	N.A.
FARM EQUIPMENT MECHANICS	3,410	5.04	49.32	13.33
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	2,230	3.30	N.A.	N.A.

SIC 508 MACHINERY, EQUIPMENT, AND SUPPLIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	200	0.29	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	1,910	2.82	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	30	0.03	N.A.	N.A.
ALL OTHER CARPENTRY AND RELATED WORKERS	10	0.01	N.A.	N.A.
ALL OTHER SELECTED FLOOR RELATED WORKERS, EXCEPT CARPENTERS	20	0.02	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	20	0.02	N.A.	N.A.
PRECISION METAL WORKERS	1,130	1.67	N.A.	N.A.
MACHINISTS	1,130	1.67	49.24	11.67
OTHER HAND WORKERS, NEC	980	1.45	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	980	1.45	N.A.	N.A.
MOTOR VEHICLE OPERATORS	3,360	4.96	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	1,850	2.73	34.68	21.67
ALL OTHER MOTOR VEHICLE OPERATORS	1,510	2.23	N.A.	N.A.
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	360	0.53	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	1,310	1.93	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	800	1.18	N.A.	N.A.

SIC 509 MISCELLANEOUS DURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	15,660	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,620	10.32	N.A.	N.A.
FINANCIAL MANAGERS	60	0.38	22.78	14.69
PURCHASING MANAGERS	190	1.21	25.47	16.78
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	40	0.25	21.22	8.39
ADMINISTRATIVE SERVICES MANAGERS	10	0.06	24.08	2.80
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	50	0.31	31.42	8.39
GENERAL MANAGERS AND TOP EXECUTIVES	1,210	7.74	7.63	74.83
ALL OTHER MANAGERS AND ADMINISTRATORS	50	0.31	35.77	3.50
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	630	3.99	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	120	0.76	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	120	0.76	23.02	15.38
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	270	1.72	23.44	18.18
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	60	0.38	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	60	0.38	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	40	0.25	N.A.	N.A.
COMPUTER PROGRAMMERS	40	0.25	28.73	8.39
WRITERS AND EDITORS	20	0.12	48.05	1.40
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	120	0.76	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,650	16.92	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	210	1.34	23.06	16.08
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,520	9.72	14.54	50.35
SALESPERSONS, RETAIL	220	1.40	41.39	6.99
STOCK CLERKS, SALES FLOOR	400	2.55	43.86	3.50
CASHIERS	90	0.57	30.53	9.79
ALL OTHER SALES AND RELATED WORKERS	210	1.34	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,580	22.78	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	260	1.66	14.42	30.77
CREDIT CHECKERS	20	0.12	40.12	4.90
ADJUSTMENT CLERKS	50	0.31	44.70	3.50
BILL AND ACCOUNT COLLECTORS	30	0.19	35.81	5.59

SIC 509 MISCELLANEOUS DURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SECRETARIES	600	3.83	13.73	45.45
RECEPTIONISTS AND INFORMATION CLERKS	110	0.70	23.17	17.48
TYPISTS	20	0.12	41.09	2.80
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	80	0.51	38.07	7.69
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	410	2.62	15.33	40.56
PAYROLL AND TIMEKEEPING CLERKS	20	0.12	36.25	4.20
BILLING, COST AND RATE CLERKS	40	0.25	39.28	8.39
GENERAL OFFICE CLERKS	430	2.75	14.92	36.36
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	140	0.87	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	50	0.31	45.38	5.59
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	40	0.25	44.32	6.99
DATA ENTRY KEYERS, EXCEPT COMPOSING	50	0.31	37.19	6.29
ALL OTHER MAIL AND MESSAGE DISTRIBUTION WORKERS	20	0.12	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,290	8.23	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	290	1.85	32.67	13.29
ORDER FILLERS, WHOLESALE AND RETAIL SALES	240	1.53	33.77	11.89
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	660	4.22	27.35	31.47
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	100	0.63	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	60	0.38	N.A.	N.A.
SERVICE OCCUPATIONS	150	0.94	N.A.	N.A.
GUARDS AND WATCH GUARDS	40	0.25	32.94	5.59
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	90	0.57	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	90	0.57	37.55	8.39
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	40	0.25	N.A.	N.A.
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	40	0.25	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	6,990	44.56	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	240	1.53	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	110	0.70	20.97	13.99
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	130	0.83	30.44	13.29
PRODUCTION INSPECTORS, TESTERS, GRADERS, SORTERS, SAMPLERS, AND WEIGHERS	300	1.91	33.62	4.90

SIC 509 MISCELLANEOUS DURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MACHINERY MAINTENANCE MECHANICS	20	0.12	40.25	2.80
MAINTENANCE REPAIRERS, GENERAL UTILITY	260	1.66	38.60	16.78
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	180	1.13	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	60	0.38	29.26	4.90
MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	100	0.63	23.36	8.39
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	20	0.12	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	120	0.76	N.A.	N.A.
PRECISION METAL WORKERS	40	0.25	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	40	0.25	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	430	2.74	N.A.	N.A.
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	90	0.57	48.25	2.10
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	340	2.17	32.01	5.59
OTHER HAND WORKERS, NEC	1,060	6.76	N.A.	N.A.
WELDERS AND CUTTERS	720	4.60	24.91	19.58
ASSEMBLERS AND FABRICATORS, EXCEPT MACHINE, ELECTRICAL, ELECTRONIC, AND PRECISION	190	1.21	38.69	7.69
ALL OTHER HAND WORKERS, NEC	150	0.95	44.66	2.10
MOTOR VEHICLE OPERATORS	1,120	7.15	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	800	5.11	16.33	26.57
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	240	1.53	32.74	18.88
ALL OTHER MOTOR VEHICLE OPERATORS	80	0.51	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	600	3.82	N.A.	N.A.
CRANE AND TOWER OPERATORS	220	1.40	21.24	11.89
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	310	1.98	19.96	19.58
CONVEYOR OPERATORS AND TENDERS	70	0.44	35.18	4.90
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	20	0.12	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	470	3.00	27.30	15.38
HAND PACKERS AND PACKAGERS	320	2.04	43.77	8.39
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	1,700	10.87	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	110	0.70	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 51 - WHOLESALE TRADE - NONDURABLE GOODS

This major group includes establishments primarily engaged in the wholesale distribution of nondurable goods.

SIC 511 - PAPER AND PAPER PRODUCTS

This group includes establishments primarily engaged in the wholesale distribution of printing and writing paper, including envelope paper; fine paper; and groundwood paper; stationery and office supplies, including computer and photocopy supplies, envelopes, typewriter paper, file cards and folders, pens, pencils, social stationery, and greeting cards; and wrapping and other coarse paper, paperboard, and converted paper and related disposable plastics products, such as bags, boxes, dishes, eating utensils, napkins, and shipping supplies.

SIC 512 - DRUGS, DRUG PROPRIETARIES, AND DRUGGISTS' SUNDRIES

Included in this industry are establishments primarily engaged in the wholesale distribution of prescription drugs, proprietary drugs, druggists' sundries, and toiletries.

SIC 513 - APPAREL, PIECE GOODS, AND NOTIONS

Establishments primarily engaged in the wholesale distribution of piece goods or yard goods of natural or manmade fibers, notions (sewing and hair accessories, etc.), and other dry goods; men's and boys' apparel and furnishings, sportswear, hosiery, underwear, nightwear, and work clothing; women's, children's, and infants' clothing and accessories, including hosiery, lingerie, millinery, and furs; and footwear (including athletic) of leather, rubber, and other materials.

SIC 514 - GROCERIES AND RELATED PRODUCTS

This group includes establishments primarily engaged in the wholesale distribution of a general line of groceries. Also included are frozen foods; dairy products; poultry and poultry products; confectionery; fish and seafoods; meats and meat products; fresh fruits and vegetables; and related grocery products, not elsewhere classified.

SIC 515 - FARM-PRODUCT RAW MATERIALS

This group includes establishments primarily engaged in buying and/or marketing grain (such as corn, wheat, oats, barley, and unpolished rice); buying and/or marketing cattle, hogs, sheep, and goats.

SIC 516 - CHEMICALS AND ALLIED PRODUCTS

Included in this industry are establishments primarily engaged in the wholesale distribution of plastics materials, and of unsupported plastics film, sheets, sheeting, rods, tubes, and other basic forms and shapes; and chemicals and allied products, not elsewhere classified, such as acids, industrial and heavy chemicals, dyestuffs, industrial salts, rosin, and turpentine.

SIC 517 - PETROLEUM AND PETROLEUM PRODUCTS

This industry includes establishments primarily engaged in wholesaling petroleum products, including liquified petroleum gas. Included are packaged and bottled petroleum products distributors, truck jobbers, and others marketing petroleum and its products at wholesale, but without bulk liquid storage facilities.

SIC 518 - BEER, WINE, AND DISTILLED ALCOHOLIC BEVERAGES

Included in this industry are establishments primarily engaged in the wholesale distribution of beer, ale, porter, wine and distilled alcoholic beverages.

SIC 519 - MISCELLANEOUS NONDURABLE GOODS

Included in this industry are establishments primarily engaged in the wholesale distribution of farm supplies; tobacco and tobacco products; paints, varnishes and supplies; books, periodicals, and newspapers; flowers, nursery stock, and florists' supplies; and nondurable goods such as novelty glassware, sheet music, yarns, and others.

SIC 51 WHOLESALE TRADE-NONDURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	164,080	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	14,860	9.00	N.A.	N.A.
FINANCIAL MANAGERS	600	0.36	20.41	17.95
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	210	0.12	18.43	8.14
PURCHASING MANAGERS	1,400	0.85	15.54	20.36
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	1,260	0.76	13.50	17.04
ADMINISTRATIVE SERVICES MANAGERS	260	0.15	14.90	6.79
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	140	0.08	33.48	3.77
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	620	0.37	15.60	13.27
ALL OTHER SUPPORT SERVICES MANAGERS	70	0.04	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	9,620	5.86	5.54	66.97
ALL OTHER MANAGERS AND ADMINISTRATORS	680	0.41	14.19	8.14
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	6,780	4.01	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	1,750	1.05	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	1,600	0.97	14.35	18.55
BUDGET ANALYSTS	60	0.03	39.88	1.96
ALL OTHER FINANCIAL SPECIALISTS	90	0.05	22.31	1.51
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	1,230	0.74	14.33	14.03
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	660	0.40	22.40	6.33
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	80	0.04	40.12	1.96
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	120	0.07	22.15	4.22
ALL OTHER MANAGEMENT SUPPORT WORKERS	220	0.13	N.A.	N.A.
ENGINEERS	190	0.11	N.A.	N.A.
ALL OTHER ENGINEERS	190	0.11	N.A.	N.A.
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	70	0.04	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	70	0.04	N.A.	N.A.
NATURAL SCIENTISTS AND RELATED WORKERS	100	0.06	N.A.	N.A.
PHYSICAL SCIENTISTS	100	0.06	47.77	1.51
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	180	0.10	36.28	1.36
ALL OTHER NATURAL SCIENTISTS AND RELATED WORKERS	30	0.01	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	800	0.47	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	210	0.12	15.07	4.52
COMPUTER PROGRAMMERS	500	0.30	23.88	8.45
COMPUTER PROGRAMMER AIDES	90	0.05	24.81	3.02
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	130	0.07	N.A.	N.A.

SIC 51 WHOLESALE TRADE-NONDURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	130	0.07	41.35	1.36
ARTISTS AND RELATED WORKERS	80	0.04	30.14	2.71
DESIGNERS, EXCEPT INTERIOR DESIGNERS	180	0.10	45.72	1.96
MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	610	0.37	37.71	4.37
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	350	0.21	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	46,960	28.56	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	5,340	3.25	9.09	37.10
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	6,170	3.75	12.28	12.22
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	22,930	13.97	7.34	45.70
SALESPERSONS, RETAIL	3,520	2.14	25.65	9.65
SALESPERSONS, PARTS	480	0.29	37.38	1.81
STOCK CLERKS, SALES FLOOR	3,200	1.94	14.04	8.30
CASHIERS	3,610	2.19	23.38	11.16
NEWS AND STREET VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR SALES WORKERS, AND OTHER RELATED WORKERS	850	0.51	11.40	1.36
ALL OTHER SALES AND RELATED WORKERS	860	0.52	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	37,690	22.78	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,340	1.42	10.03	30.77
CREDIT AUTHORIZERS	150	0.09	13.15	1.81
CREDIT CHECKERS	250	0.15	18.13	5.13
ADJUSTMENT CLERKS	350	0.21	26.77	5.13
BILL AND ACCOUNT COLLECTORS	540	0.32	20.30	6.79
SECRETARIES	5,100	3.10	8.38	45.25
STENOGRAPHERS	20	0.01	16.29	0.60
RECEPTIONISTS AND INFORMATION CLERKS	600	0.36	14.52	16.29
TYPISTS	230	0.14	38.61	3.77
TYPISTS, WORD PROCESSING EQUIPMENT	140	0.08	33.81	3.02
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	110	0.06	29.57	4.83
CORRESPONDENCE CLERKS	20	0.01	27.07	1.06
FILE CLERKS	160	0.09	27.70	4.22
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	2,120	1.29	16.59	15.84
PROCUREMENT CLERKS	30	0.01	40.84	1.66
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	5,150	3.13	9.24	43.44

SIC 51 WHOLESALE TRADE-NONDURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PAYROLL AND TIMEKEEPING CLERKS	250	0.15	14.18	9.95
BILLING, COST AND RATE CLERKS	910	0.55	19.20	10.41
GENERAL OFFICE CLERKS	4,480	2.72	9.95	32.43
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	2,190	1.30	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	570	0.34	24.03	5.58
MAIL MACHINE OPERATORS, PREPARATION AND HANDLING	30	0.01	23.54	1.36
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	520	0.31	20.22	10.86
PERIPHERAL EDP EQUIPMENT OPERATORS	80	0.04	30.48	1.66
DATA ENTRY KEYERS, EXCEPT COMPOSING	940	0.57	12.23	14.93
ALL OTHER OFFICE MACHINE OPERATORS	50	0.03	25.76	1.06
SWITCHBOARD OPERATORS	190	0.11	11.75	9.95
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	70	0.04	25.96	3.47
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	12,130	7.35	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	260	0.15	46.10	5.43
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	120	0.07	34.57	2.11
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS, RECORDKEEPING	140	0.08	26.30	3.62
MARKING CLERKS	30	0.01	13.92	0.60
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	2,630	1.60	13.29	14.93
ORDER FILLERS, WHOLESALE AND RETAIL SALES	4,650	2.83	12.66	15.08
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	3,900	2.37	12.97	21.72
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	400	0.24	25.02	3.47
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	160	0.09	18.58	2.26
SERVICE OCCUPATIONS	2,340	1.40	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	60	0.03	29.09	2.11
GUARDS AND WATCH GUARDS	100	0.06	31.45	1.81
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	1,250	0.76	N.A.	N.A.
BUTCHERS AND MEAT CUTTERS	870	0.53	46.36	1.06
ALL OTHER FOOD SERVICE WORKERS	380	0.23	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	870	0.52	N.A.	N.A.
MAIDS AND HOUSEKEEPING CLEANERS	30	0.01	35.68	1.06
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	840	0.51	17.64	12.67
ALL OTHER SERVICE WORKERS	60	0.03	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	5,820	3.53	N.A.	N.A.
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	2,820	1.71	25.43	2.71
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM	20	0.01	46.07	0.90

SIC 51 WHOLESALE TRADE-NONDURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	2,980	1.81	8.42	7.39
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	49,630	30.06	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	2,230	1.33	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	720	0.43	31.93	10.11
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	390	0.23	22.07	5.88
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	830	0.50	11.84	10.71
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	290	0.17	28.25	3.62
PRODUCTION INSPECTORS, TESTERS, GRADERS, SORTERS, SAMPLERS, AND WEIGHERS	240	0.14	35.98	2.11
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	50	0.03	32.97	0.75
MACHINERY MAINTENANCE MECHANICS	100	0.06	37.35	1.66
MAINTENANCE REPAIRERS, GENERAL UTILITY	1,570	0.95	31.01	14.93
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	1,130	0.67	N.A.	N.A.
AUTOMOTIVE MECHANICS	320	0.19	40.11	3.47
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	550	0.33	24.82	5.88
FARM EQUIPMENT MECHANICS	100	0.06	44.09	1.21
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	160	0.09	N.A.	N.A.
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	20	0.01	N.A.	N.A.
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	50	0.03	41.30	1.21
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	490	0.29	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	190	0.11	N.A.	N.A.
PRECISION METAL WORKERS	140	0.08	N.A.	N.A.
MACHINISTS	140	0.08	39.31	1.36
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	30	0.01	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	30	0.01	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	2,930	1.77	N.A.	N.A.
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	60	0.03	N.A.	N.A.
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	2,030	1.23	25.43	3.02
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	900	0.54	26.63	3.47

SIC 51 WHOLESALE TRADE-NONDURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
OTHER HAND WORKERS, NEC	410	0.24	N.A.	N.A.
ASSEMBLERS AND FABRICATORS, EXCEPT MACHINE, ELECTRICAL, ELECTRONIC, AND PRECISION	270	0.16	39.11	1.51
ALL OTHER HAND WORKERS, NEC	140	0.08	N.A.	N.A.
MOTOR VEHICLE OPERATORS	23,080	14.05	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	8,540	5.20	10.83	24.13
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	7,100	4.32	11.67	21.27
DRIVER/SALES WORKERS	7,440	4.53	17.00	9.50
SERVICE STATION ATTENDANTS	1,390	0.84	36.72	1.66
ALL OTHER TRANSPORTATION AND RELATED WORKERS	220	0.13	32.25	1.66
MATERIAL MOVING EQUIPMENT OPERATORS	2,290	1.38	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	1,480	0.90	13.75	8.30
CONVEYOR OPERATORS AND TENDERS	680	0.41	25.35	4.07
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	50	0.03	N.A.	N.A.
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	130	0.07	36.51	0.90
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	6,490	3.95	9.57	17.80
HAND PACKERS AND PACKAGERS	3,220	1.96	16.77	5.43
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	2,770	1.68	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	480	0.29	N.A.	N.A.

SIC 511 PAPER AND PAPER PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	11,680	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	970	8.27	N.A.	N.A.
FINANCIAL MANAGERS	20	0.17	21.09	18.60
PURCHASING MANAGERS	130	1.11	45.67	30.23
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	90	0.76	24.45	25.58
ALL OTHER ADMINISTRATIVE MANAGERS	30	0.25	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	20	0.17	34.75	9.30
GENERAL MANAGERS AND TOP EXECUTIVES	640	5.47	19.35	74.42
ALL OTHER MANAGERS AND ADMINISTRATORS	40	0.34	25.56	11.63
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	360	3.05	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	80	0.67	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	70	0.59	38.64	20.93
ALL OTHER FINANCIAL SPECIALISTS	10	0.08	0.00	2.33
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	170	1.45	43.11	27.91
COMPUTER SCIENTISTS AND RELATED WORKERS	30	0.25	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	20	0.17	0.00	2.33
COMPUTER PROGRAMMERS	10	0.08	25.79	9.30
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	80	0.68	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	5,010	42.78	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	310	2.64	30.87	48.84
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	2,390	20.42	17.44	76.74
SALESPERSONS, RETAIL	190	1.62	43.25	20.93
STOCK CLERKS, SALES FLOOR	1,320	11.28	14.88	13.95
NEWS AND STREET VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR SALES WORKERS, AND OTHER RELATED WORKERS	690	5.89	0.11	6.98
DEMONSTRATORS, PROMOTERS, AND MODELS	20	0.17	42.56	9.30
ALL OTHER SALES AND RELATED WORKERS	90	0.76	22.38	6.98
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,930	24.96	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	190	1.62	26.32	39.53
CREDIT AUTHORIZERS	10	0.08	32.89	6.98
CREDIT CHECKERS	30	0.25	20.62	6.98
ADJUSTMENT CLERKS	20	0.17	18.98	9.30

SIC 511 PAPER AND PAPER PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BILL AND ACCOUNT COLLECTORS	70	0.59	16.41	9.30
SECRETARIES	390	3.33	32.13	55.81
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	20	0.17	18.55	11.63
FILE CLERKS	30	0.25	31.56	6.98
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	220	1.88	46.61	18.60
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	390	3.33	31.41	44.19
PAYROLL AND TIMEKEEPING CLERKS	20	0.17	20.23	16.28
GENERAL OFFICE CLERKS	300	2.56	30.52	32.56
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	110	0.94	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	110	0.94	N.A.	N.A.
SWITCHBOARD OPERATORS	10	0.08	33.29	13.95
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	960	8.18	N.A.	N.A.
MARKING CLERKS	20	0.17	0.00	2.33
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	200	1.70	44.29	18.60
ORDER FILLERS, WHOLESALE AND RETAIL SALES	350	2.99	35.48	30.23
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	270	2.30	46.20	25.58
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	120	1.02	39.09	11.63
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	160	1.36	N.A.	N.A.
SERVICE OCCUPATIONS	20	0.17	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	2,390	20.36	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	220	1.87	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	120	1.02	30.51	20.93
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	100	0.85	N.A.	N.A.
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	10	0.08	0.00	2.33
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	90	0.76	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	320	2.73	N.A.	N.A.
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	320	2.73	49.82	11.63
OTHER HAND WORKERS, NEC	10	0.08	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	10	0.08	46.00	4.65
MOTOR VEHICLE OPERATORS	870	7.43	N.A.	N.A.

SIC 511 PAPER AND PAPER PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	330	2.82	45.66	25.58
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	520	4.44	26.87	37.21
ALL OTHER MOTOR VEHICLE OPERATORS	20	0.17	N.A.	N.A.
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	10	0.08	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	510	4.35	43.22	27.91
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	300	2.56	N.A.	N.A.

SIC 512 DRUGS, PROPRIETARIES, AND SUNDRIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	11,690	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	780	6.62	N.A.	N.A.
FINANCIAL MANAGERS	30	0.25	7.30	9.64
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	10	0.08	6.10	6.02
PURCHASING MANAGERS	50	0.42	42.96	14.46
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	120	1.02	29.13	16.87
ADMINISTRATIVE SERVICES MANAGERS	60	0.51	5.80	4.82
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	20	0.17	0.00	2.41
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	50	0.42	20.40	18.07
GENERAL MANAGERS AND TOP EXECUTIVES	410	3.50	20.59	43.37
ALL OTHER MANAGERS AND ADMINISTRATORS	30	0.25	7.86	3.61
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	520	4.42	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	80	0.68	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	80	0.68	21.86	18.07
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	140	1.19	18.32	19.28
NATURAL SCIENTISTS AND RELATED WORKERS	20	0.17	N.A.	N.A.
LIFE SCIENTISTS	20	0.17	0.00	1.20
COMPUTER SCIENTISTS AND RELATED WORKERS	70	0.59	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	40	0.34	3.63	6.02
COMPUTER PROGRAMMERS	30	0.25	47.49	7.23
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	210	1.79	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	6,580	56.27	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	840	7.18	31.56	43.37
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	2,910	24.89	15.01	36.14
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	2,520	21.55	15.04	53.01
ALL OTHER SALES AND RELATED WORKERS	310	2.65	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,710	23.09	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	130	1.11	22.88	26.51
ADJUSTMENT CLERKS	50	0.42	32.65	9.64
SECRETARIES	320	2.73	12.14	44.58
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	140	1.19	30.78	18.07

SIC 512 DRUGS, PROPRIETARIES, AND SUNDRIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	280	2.39	12.35	27.71
PAYROLL AND TIMEKEEPING CLERKS	10	0.08	7.21	6.02
GENERAL OFFICE CLERKS	110	0.94	17.10	18.07
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	110	0.93	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	50	0.42	28.61	16.87
DATA ENTRY KEYERS, EXCEPT COMPOSING	60	0.51	38.69	7.23
SWITCHBOARD OPERATORS	20	0.17	18.75	12.05
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	10	0.08	4.51	4.82
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,370	11.69	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	100	0.85	25.97	12.05
ORDER FILLERS, WHOLESALE AND RETAIL SALES	860	7.35	16.36	27.71
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	360	3.07	22.22	25.30
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	50	0.42	13.75	7.23
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	160	1.36	N.A.	N.A.
SERVICE OCCUPATIONS	50	0.41	N.A.	N.A.
GUARDS AND WATCH GUARDS	10	0.08	0.00	1.20
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	30	0.25	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	30	0.25	20.97	8.43
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,050	8.90	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	70	0.59	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	10	0.08	24.87	4.82
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	40	0.34	23.12	9.64
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	20	0.17	0.00	1.20
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	20	0.17	0.00	1.20
MACHINERY MAINTENANCE MECHANICS	20	0.17	0.00	1.20
MAINTENANCE REPAIRERS, GENERAL UTILITY	30	0.25	42.27	6.02
PRECISION METAL WORKERS	10	0.08	N.A.	N.A.
MACHINISTS	10	0.08	43.57	3.61
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	80	0.68	N.A.	N.A.

SIC 512 DRUGS, PROPRIETARIES, AND SUNDRIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	80	0.68	N.A.	N.A.
OTHER HAND WORKERS, NEC	120	1.02	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	120	1.02	0.00	1.20
MOTOR VEHICLE OPERATORS	320	2.72	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	20	0.17	21.83	7.23
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	270	2.30	24.02	13.25
ALL OTHER MOTOR VEHICLE OPERATORS	30	0.25	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	30	0.25	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	30	0.25	18.56	3.61
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	250	2.13	32.09	9.64
HAND PACKERS AND PACKAGERS	40	0.34	40.55	3.61
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	30	0.25	49.56	1.20

SIC 513 APPAREL, PIECE GOODS, AND NOTIONS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	6,070	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	600	9.91	N.A.	N.A.
PURCHASING MANAGERS	100	1.65	38.88	15.49
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	20	0.33	45.78	5.63
GENERAL MANAGERS AND TOP EXECUTIVES	440	7.27	13.30	50.70
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	180	2.96	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	40	0.66	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	40	0.66	37.62	12.68
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	30	0.49	46.29	7.04
DESIGNERS, EXCEPT INTERIOR DESIGNERS	80	1.32	36.11	11.27
SALES AND RELATED OCCUPATIONS	2,810	46.41	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	260	4.29	18.23	36.62
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,880	31.07	13.04	66.20
SALESPERSONS, RETAIL	300	4.95	31.40	16.90
STOCK CLERKS, SALES FLOOR	130	2.14	29.33	16.90
ALL OTHER SALES AND RELATED WORKERS	240	3.96	44.70	2.82
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,870	30.85	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	110	1.81	27.48	19.72
CREDIT CHECKERS	20	0.33	34.74	7.04
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	10	0.16	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	40	0.66	46.72	7.04
SECRETARIES	180	2.97	19.65	33.80
RECEPTIONISTS AND INFORMATION CLERKS	40	0.66	37.41	14.08
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	110	1.81	29.59	16.90
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	170	2.80	21.02	33.80
GENERAL OFFICE CLERKS	270	4.46	19.89	35.21
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	820	13.54	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	330	5.45	34.53	21.13
ORDER FILLERS, WHOLESALE AND RETAIL SALES	310	5.12	24.24	23.94
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	180	2.97	22.24	32.39
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	100	1.65	N.A.	N.A.
SERVICE OCCUPATIONS	20	0.33	N.A.	N.A.

SIC 513 APPAREL, PIECE GOODS, AND NOTIONS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	0.33	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	0.33	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	590	9.72	N.A.	N.A.
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	20	0.33	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	30	0.49	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	30	0.49	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	70	1.15	N.A.	N.A.
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	60	0.99	N.A.	N.A.
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	70	1.15	47.10	7.04
OTHER HAND WORKERS, NEC	80	1.32	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	80	1.32	N.A.	N.A.
HAND PACKERS AND PACKAGERS	150	2.47	38.93	9.86
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	80	1.32	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	100	1.65	N.A.	N.A.

SIC 514 GROCERIES AND RELATED PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	55,050	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	3,530	6.34	N.A.	N.A.
FINANCIAL MANAGERS	230	0.41	14.13	46.59
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	110	0.19	25.05	26.14
PURCHASING MANAGERS	220	0.39	35.32	31.82
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	520	0.94	21.68	43.18
ADMINISTRATIVE SERVICES MANAGERS	70	0.12	31.68	14.77
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	30	0.05	45.46	9.09
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	240	0.43	25.14	29.55
ALL OTHER SUPPORT SERVICES MANAGERS	70	0.12	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	1,920	3.48	20.34	62.50
ALL OTHER MANAGERS AND ADMINISTRATORS	120	0.21	19.83	17.05
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	1,890	3.37	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	340	0.61	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	340	0.61	29.61	29.55
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	440	0.79	23.20	27.27
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	190	0.34	45.31	7.95
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	20	0.03	29.86	9.09
ALL OTHER MANAGEMENT SUPPORT WORKERS	140	0.25	N.A.	N.A.
ALL OTHER NATURAL SCIENTISTS AND RELATED WORKERS	90	0.16	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	290	0.51	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	80	0.14	27.68	12.50
COMPUTER PROGRAMMERS	190	0.34	46.35	18.18
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	20	0.03	N.A.	N.A.
ARTISTS AND RELATED WORKERS	30	0.05	36.30	10.23
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	350	0.63	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	11,560	20.95	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	1,630	2.95	19.76	46.59
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	7,300	13.24	14.18	68.18
STOCK CLERKS, SALES FLOOR	680	1.23	47.88	4.55
CASHIERS	450	0.81	32.29	19.32
ALL OTHER SALES AND RELATED WORKERS	1,500	2.72	N.A.	N.A.

SIC 514 GROCERIES AND RELATED PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	11,350	20.41	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	600	1.08	20.17	46.59
CREDIT AUTHORIZERS	40	0.07	40.73	6.82
ADJUSTMENT CLERKS	140	0.25	38.27	12.50
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	30	0.05	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	180	0.32	43.94	14.77
SECRETARIES	1,140	2.06	20.83	57.95
RECEPTIONISTS AND INFORMATION CLERKS	60	0.10	31.31	15.91
TYPISTS, WORD PROCESSING EQUIPMENT	10	0.01	43.89	2.27
FILE CLERKS	70	0.12	32.16	14.77
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	700	1.26	33.64	29.55
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,250	2.26	15.28	55.68
PAYROLL AND TIMEKEEPING CLERKS	130	0.23	25.32	30.68
BILLING, COST AND RATE CLERKS	240	0.43	49.16	18.18
GENERAL OFFICE CLERKS	790	1.43	37.66	32.95
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	610	1.07	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	130	0.23	47.74	10.23
MAIL MACHINE OPERATORS, PREPARATION AND HANDLING	20	0.03	38.36	5.68
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	170	0.30	48.93	18.18
PERIPHERAL EDP EQUIPMENT OPERATORS	60	0.10	35.28	7.95
DATA ENTRY KEYERS, EXCEPT COMPOSING	210	0.38	21.23	28.41
ALL OTHER OFFICE MACHINE OPERATORS	20	0.03	48.78	2.27
SWITCHBOARD OPERATORS	100	0.18	16.75	30.68
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	20	0.03	32.37	10.23
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	5,130	9.27	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	70	0.12	20.17	15.91
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	60	0.10	49.52	6.82
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	570	1.03	38.51	19.32
ORDER FILLERS, WHOLESALE AND RETAIL SALES	2,340	4.24	21.59	23.86
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	1,800	3.26	23.28	36.36
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	290	0.52	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	110	0.19	N.A.	N.A.
SERVICE OCCUPATIONS	1,690	3.03	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	30	0.05	40.38	9.09
GUARDS AND WATCH GUARDS	20	0.03	44.32	5.68
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	870	1.57	N.A.	N.A.

SIC 514 . GROCERIES AND RELATED PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BUTCHERS AND MEAT CUTTERS	870	1.57	46.36	7.95
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	420	0.75	N.A.	N.A.
MAIDS AND HOUSEKEEPING CLEANERS	20	0.03	44.00	4.55
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	400	0.72	25.72	28.41
ALL OTHER SERVICE WORKERS	350	0.63	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	2,680	4.85	N.A.	N.A.
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	2,510	4.55	28.23	6.82
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	170	0.30	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	22,350	40.42	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	890	1.59	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	180	0.32	22.69	22.73
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	380	0.68	15.93	25.00
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	330	0.59	N.A.	N.A.
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	110	0.19	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS	20	0.03	34.25	4.55
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	760	1.37	N.A.	N.A.
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	350	0.63	30.55	22.73
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	410	0.74	N.A.	N.A.
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	40	0.07	48.26	5.68
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	840	1.52	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	10	0.01	N.A.	N.A.
ALL OTHER PLUMBING AND RELATED WORKERS	10	0.01	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	1,600	2.89	N.A.	N.A.
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	1,570	2.84	30.22	13.64
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	30	0.05	39.79	3.41
MOTOR VEHICLE OPERATORS	10,570	19.16	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	3,700	6.71	17.31	42.05
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	2,670	4.84	26.07	27.27
DRIVER/SALES WORKERS	4,200	7.61	28.07	18.18

SIC 514 GROCERIES AND RELATED PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER TRANSPORTATION AND RELATED WORKERS	50	0.09	46.57	3.41
MATERIAL MOVING EQUIPMENT OPERATORS	710	1.28	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	670	1.21	19.35	18.18
CONVEYOR OPERATORS AND TENDERS	40	0.07	29.82	1.14
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	40	0.07	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	3,120	5.66	14.69	30.68
HAND PACKERS AND PACKAGERS	2,690	4.88	19.34	10.23
VEHICLE WASHERS AND EQUIPMENT CLEANERS	10	0.01	39.93	5.68
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	830	1.50	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	60	0.10	N.A.	N.A.

SIC 515 FARM-PRODUCT RAW MATERIALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	10,270	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	840	8.15	N.A.	N.A.
FINANCIAL MANAGERS	10	0.09	36.20	5.31
PURCHASING MANAGERS	140	1.36	22.94	18.58
GENERAL MANAGERS AND TOP EXECUTIVES	640	6.22	7.35	72.57
ALL OTHER MANAGERS AND ADMINISTRATORS	50	0.48	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	510	4.94	N.A	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	100	0.97	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	100	0.97	18.95	20.35
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	20	0.19	47.82	4.42
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	360	3.50	28.82	24.78
COMPUTER SCIENTISTS AND RELATED WORKERS	20	0.19	N.A.	N.A.
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	20	0.19	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	550	5.33	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	130	1.26	26.32	15.04
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	90	0.87	24.86	9.73
SALESPERSONS, RETAIL	50	0.48	44.51	4.42
CASHIERS	100	0.97	31.80	9.73
ALL OTHER SALES AND RELATED WORKERS	180	1.75	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,590	25.13	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	70	0.68	19.87	15.93
CREDIT CHECKERS	40	0.38	36.81	7.08
BILL AND ACCOUNT COLLECTORS	20	0.19	28.46	4.42
SECRETARIES	390	3.79	24.41	38.05
RECEPTIONISTS AND INFORMATION CLERKS	40	0.38	26.61	13.27
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	440	4.28	13.07	53.98
BILLING, COST AND RATE CLERKS	200	1.94	27.94	15.04
GENERAL OFFICE CLERKS	600	5.83	15.11	34.51
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	220	2.13	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	120	1.16	33.28	9.73
DATA ENTRY KEYERS, EXCEPT COMPOSING	70	0.68	42.43	7.08
ALL OTHER OFFICE MACHINE OPERATORS	30	0.29	N.A.	N.A.

SIC 515 FARM-PRODUCT RAW MATERIALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	360	3.49	N.A.	N.A.
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS, RECORDKEEPING	60	0.58	30.43	15.04
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	300	2.91	26.18	11.50
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	210	2.04	N.A.	N.A.
SERVICE OCCUPATIONS	140	1.35	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	20	0.19	48.57	3.54
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	70	0.68	N.A.	N.A.
ALL OTHER FOOD SERVICE WORKERS	70	0.68	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.48	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	50	0.48	21.51	15.93
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	2,970	28.89	N.A.	N.A.
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	220	2.14	36.70	8.85
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	2,750	26.75	8.65	39.82
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	2,670	25.90	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	190	1.84	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	130	1.26	26.10	16.81
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	60	0.58	34.05	5.31
MAINTENANCE REPAIRERS, GENERAL UTILITY	200	1.94	19.52	25.66
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	70	0.68	N.A.	N.A.
MOTOR VEHICLE OPERATORS	360	3.49	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	310	3.01	28.58	15.93
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	50	0.48	41.42	4.42
MATERIAL MOVING EQUIPMENT OPERATORS	620	6.02	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	30	0.29	44.72	2.65
CONVEYOR OPERATORS AND TENDERS	500	4.86	30.81	15.93
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	10	0.09	N.A.	N.A.
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	90	0.87	49.04	2.65
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	590	5.73	23.52	16.81
HAND PACKERS AND PACKAGERS	120	1.16	45.29	5.31
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	390	3.79	25.99	9.73
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	120	1.16	N.A.	N.A.

SIC 516 CHEMICALS AND ALLIED PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	10,920	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,190	10.89	N.A.	N.A.
FINANCIAL MANAGERS	40	0.36	25.49	14.75
PURCHASING MANAGERS	80	0.73	41.01	16.39
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	90	0.82	28.82	11.48
ADMINISTRATIVE SERVICES MANAGERS	20	0.18	22.47	13.11
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	50	0.45	34.05	11.48
GENERAL MANAGERS AND TOP EXECUTIVES	810	7.44	15.59	65.57
ALL OTHER MANAGERS AND ADMINISTRATORS	100	0.91	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	430	3.90	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	70	0.64	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	70	0.64	35.93	18.03
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	40	0.36	49.97	9.84
ALL OTHER MANAGEMENT SUPPORT WORKERS	60	0.55	N.A.	N.A.
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	100	0.91	N.A.	N.A.
NATURAL SCIENTISTS AND RELATED WORKERS	50	0.45	N.A.	N.A.
PHYSICAL SCIENTISTS	50	0.45	38.40	6.56
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	50	0.45	45.44	4.92
COMPUTER SCIENTISTS AND RELATED WORKERS	40	0.36	N.A.	N.A.
COMPUTER PROGRAMMERS	20	0.18	41.02	4.92
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	20	0.18	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	3,770	34.63	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	240	2.20	24.57	27.87
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	1,850	17.00	18.52	47.54
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,510	13.87	24.82	27.87
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,400	22.00	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	220	2.02	20.22	37.70
ADJUSTMENT CLERKS	60	0.55	36.02	6.56
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	30	0.27	N.A.	N.A.
SECRETARIES	640	5.88	15.83	50.82
RECEPTIONISTS AND INFORMATION CLERKS	70	0.64	32.06	16.39

SIC 516 CHEMICALS AND ALLIED PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	190	1.74	28.46	29.51
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	290	2.66	25.37	32.79
GENERAL OFFICE CLERKS	280	2.57	19.56	32.79
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	60	0.55	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	60	0.55	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	320	2.92	N.A.	N.A.
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	40	0.36	47.72	6.56
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	180	1.65	39.18	11.48
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	100	0.91	30.30	16.39
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	240	2.20	N.A.	N.A.
SERVICE OCCUPATIONS	40	0.36	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.36	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.36	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	3,090	28.31	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	250	2.28	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	100	0.91	45.99	18.03
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	80	0.73	32.92	16.39
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	70	0.64	N.A.	N.A.
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	100	0.91	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	260	2.38	N.A.	N.A.
PRECISION METAL WORKERS	100	0.91	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	100	0.91	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	420	3.86	N.A.	N.A.
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	420	3.86	N.A.	N.A.
OTHER HAND WORKERS, NEC	120	1.10	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	120	1.10	N.A.	N.A.
MOTOR VEHICLE OPERATORS	830	7.61	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	500	4.59	23.18	31.15

SIC 516 CHEMICALS AND ALLIED PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	300	2.75	35.38	18.03
ALL OTHER MOTOR VEHICLE OPERATORS	30	0.27	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	170	1.56	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	170	1.56	32.88	13.11
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	20	0.18	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	520	4.77	27.15	26.23
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	280	2.57	N.A.	N.A.

SIC 517 PETROLEUM AND PETROLEUM PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	22,940	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,810	12.21	N.A.	N.A.
PURCHASING MANAGERS	190	0.82	49.35	18.97
ADMINISTRATIVE SERVICES MANAGERS	50	0.21	48.42	15.52
ALL OTHER ADMINISTRATIVE MANAGERS	290	1.26	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	140	0.61	48.42	17.24
GENERAL MANAGERS AND TOP EXECUTIVES	1,890	8.23	11.07	86.21
ALL OTHER MANAGERS AND ADMINISTRATORS	250	1.08	29.64	13.79
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	1,650	7.14	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	840	3.65	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	740	3.22	26.36	24.14
ALL OTHER FINANCIAL SPECIALISTS	100	0.43	N.A.	N.A.
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	20	0.08	0.00	1.72
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	30	0.13	30.95	8.62
ALL OTHER MANAGEMENT SUPPORT WORKERS	150	0.65	N.A.	N.A.
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	110	0.47	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	240	1.03	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	50	0.21	43.18	10.34
COMPUTER PROGRAMMERS	180	0.78	43.67	15.52
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	10	0.04	N.A.	N.A.
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	260	1.13	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	6,400	27.88	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	570	2.48	25.67	39.66
SALES REPRESENTATIVES, SCIENTIFIC & RELATED PRODUCTS & SERVICES, EXCEPT RETAIL	620	2.70	49.40	17.24
CASHIERS	2,750	11.98	29.94	32.76
ALL OTHER SALES AND RELATED WORKERS	2,460	10.72	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	5,110	22.21	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	390	1.70	38.61	24.14
CREDIT AUTHORIZERS	100	0.43	10.25	3.45
CREDIT CHECKERS	60	0.26	39.29	5.17
SECRETARIES	1,060	4.62	24.65	44.83

SIC 517 PETROLEUM AND PETROLEUM PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
STENOGRAPHERS	20	0.08	0.00	1.72
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,310	5.71	28.98	50.00
BILLING, COST AND RATE CLERKS	150	0.65	49.49	13.79
GENERAL OFFICE CLERKS	840	3.66	23.11	32.76
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	300	1.30	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	100	0.43	49.54	12.07
ALL OTHER OFFICE MACHINE OPERATORS	200	0.87	N.A.	N.A.
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	10	0.04	N.A.	N.A.
ALL OTHER MAIL AND MESSAGE DISTRIBUTION WORKERS	20	0.08	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	340	1.46	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	20	0.08	19.48	3.45
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	80	0.34	31.58	6.90
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	240	1.04	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	510	2.22	N.A.	N.A.
SERVICE OCCUPATIONS	260	1.13	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	60	0.26	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	200	0.87	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	200	0.87	44.72	17.24
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	6,710	29.18	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	300	1.30	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	300	1.30	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	330	1.43	35.35	22.41
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	150	0.65	N.A.	N.A.
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	150	0.65	N.A.	N.A.
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	20	0.08	N.A.	N.A.
MOTOR VEHICLE OPERATORS	3,840	16.72	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	2,460	10.72	22.47	58.62
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	1,030	4.48	23.16	39.66
ALL OTHER MOTOR VEHICLE OPERATORS	350	1.52	N.A.	N.A.
SERVICE STATION ATTENDANTS	1,380	6.01	37.22	13.79
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	70	0.30	N.A.	N.A.

SIC 517 PETROLEUM AND PETROLEUM PRODUCTS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	80	0.34	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	540	2.35	N.A.	N.A.

SIC 518 BEER, WINE, AND DISTILLED BEVERAGES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	11,380	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,170	10.24	N.A.	N.A.
FINANCIAL MANAGERS	70	0.61	18.12	46.15
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	20	0.17	40.06	13.46
PURCHASING MANAGERS	70	0.61	23.12	21.15
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	150	1.31	19.46	44.23
ADMINISTRATIVE SERVICES MANAGERS	10	0.08	40.19	9.62
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	80	0.70	26.92	28.85
GENERAL MANAGERS AND TOP EXECUTIVES	690	6.06	14.66	82.69
ALL OTHER MANAGERS AND ADMINISTRATORS	80	0.70	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	430	3.76	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	40	0.35	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	40	0.35	42.02	13.46
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	30	0.26	49.54	11.54
COMPUTER SCIENTISTS AND RELATED WORKERS	30	0.26	N.A.	N.A.
COMPUTER PROGRAMMERS	30	0.26	46.65	19.23
MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	250	2.19	23.63	34.62
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	80	0.70	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,610	22.93	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	600	5.27	11.29	69.23
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,870	16.44	11.23	59.62
STOCK CLERKS, SALES FLOOR	40	0.35	45.33	7.69
CASHIERS	30	0.26	32.49	15.38
ALL OTHER SALES AND RELATED WORKERS	70	0.61	0.00	1.92
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,090	18.30	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	160	1.40	17.40	57.69
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	20	0.17	N.A.	N.A.
SECRETARIES	280	2.46	20.01	61.54
RECEPTIONISTS AND INFORMATION CLERKS	70	0.61	27.72	36.54
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	60	0.52	34.78	9.62
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	210	1.84	16.99	53.85
PAYROLL AND TIMEKEEPING CLERKS	40	0.35	21.15	30.77

SIC 518 BEER, WINE, AND DISTILLED BEVERAGES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL OFFICE CLERKS	180	1.58	33.20	36.54
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	240	2.10	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	60	0.52	36.31	23.08
DATA ENTRY KEYERS, EXCEPT COMPOSING	180	1.58	18.57	51.92
SWITCHBOARD OPERATORS	20	0.17	28.96	17.31
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	690	6.05	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	60	0.52	16.06	21.15
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	500	4.39	20.64	30.77
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	130	1.14	39.29	19.23
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	120	1.05	N.A.	N.A.
SERVICE OCCUPATIONS	60	0.51	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	10	0.08	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.43	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	50	0.43	24.02	23.08
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	5,020	44.08	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	80	0.70	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	80	0.70	24.43	25.00
MAINTENANCE REPAIRERS, GENERAL UTILITY	30	0.26	39.67	9.62
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	110	0.95	N.A.	N.A.
AUTOMOTIVE MECHANICS	50	0.43	28.42	21.15
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPECIALISTS	60	0.52	29.05	19.23
MOTOR VEHICLE OPERATORS	3,390	29.80	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	460	4.04	26.90	34.62
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	470	4.13	26.95	26.92
DRIVER/SALES WORKERS	2,460	21.63	10.10	67.31
ALL OTHER TRANSPORTATION AND RELATED WORKERS	100	0.87	41.35	7.69
MATERIAL MOVING EQUIPMENT OPERATORS	270	2.37	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	270	2.37	21.91	26.92
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	20	0.17	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	580	5.10	17.76	26.92
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	380	3.34	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	60	0.52	N.A.	N.A.

SIC 519 MISCELLANEOUS NONDURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	24,090	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,960	12.26	N.A.	N.A.
PURCHASING MANAGERS	430	1.78	36.52	19.15
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	190	0.78	36.74	7.45
ALL OTHER ADMINISTRATIVE MANAGERS	80	0.33	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	30	0.12	47.10	5.32
GENERAL MANAGERS AND TOP EXECUTIVES	2,190	9.09	8.43	74.47
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	820	3.37	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	110	0.45	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	110	0.45	40.23	9.57
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	300	1.24	36.02	15.96
ALL OTHER MANAGEMENT SUPPORT WORKERS	80	0.33	N.A.	N.A.
ALL OTHER NATURAL SCIENTISTS AND RELATED WORKERS	40	0.16	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	50	0.20	N.A.	N.A.
COMPUTER PROGRAMMERS	40	0.16	46.68	4.26
COMPUTER PROGRAMMER AIDES	10	0.04	49.10	3.19
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	240	0.99	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	7,670	31.82	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	780	3.23	18.24	30.85
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	4,270	17.73	15.61	50.00
SALESPERSONS, RETAIL	950	3.94	29.69	18.09
STOCK CLERKS, SALES FLOOR	830	3.44	26.69	21.28
CASHIERS	230	0.95	43.18	12.77
ALL OTHER SALES AND RELATED WORKERS	610	2.53	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6,660	27.57	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	470	1.95	22.16	26.60
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	80	0.33	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	120	0.49	43.28	8.51
SECRETARIES	720	2.99	18.65	34.04
RECEPTIONISTS AND INFORMATION CLERKS	160	0.66	33.01	15.96
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	430	1.78	43.45	11.70
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	820	3.40	17.00	37.23

SIC 519 MISCELLANEOUS NONDURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PAYROLL AND TIMEKEEPING CLERKS	30	0.12	27.40	5.32
GENERAL OFFICE CLERKS	1,100	4.56	19.29	37.23
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	480	1.98	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	180	0.74	41.49	8.51
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	80	0.33	35.29	8.51
DATA ENTRY KEYERS, EXCEPT COMPOSING	220	0.91	31.19	13.83
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	10	0.04	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,980	8.20	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	640	2.65	28.59	21.28
ORDER FILLERS, WHOLESALE AND RETAIL SALES	650	2.69	31.83	19.15
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	690	2.86	31.06	21.28
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	250	1.03	N.A.	N.A.
SERVICE OCCUPATIONS	60	0.24	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.20	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.20	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	180	0.74	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	5,740	23.77	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	160	0.66	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	160	0.66	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	40	0.16	N.A.	N.A.
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	40	0.16	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	130	0.53	N.A.	N.A.
PRECISION METAL WORKERS	20	0.08	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	20	0.08	N.A.	N.A.
OTHER HAND WORKERS, NEC	70	0.29	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	70	0.29	N.A.	N.A.
MOTOR VEHICLE OPERATORS	2,890	11.99	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	760	3.15	37.36	18.09
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	1,780	7.39	17.18	36.17
ALL OTHER MOTOR VEHICLE OPERATORS	350	1.45	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	250	1.03	N.A.	N.A.

SIC 519 MISCELLANEOUS NONDURABLE GOODS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	250	1.03	49.82	6.38
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	60	0.24	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	900	3.73	29.61	19.15
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,220	5.06	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 52 - BUILDING MATERIALS, HARDWARE, GARDEN SUPPLY, AND MOBILE HOME DEALERS

This major group includes retail establishments primarily engaged in selling lumber and other building materials; paint, glass and wallpaper; hardware; nursery stock; lawn and garden supplies; and mobile homes.

SIC 521 - LUMBER AND OTHER BUILDING MATERIALS DEALERS

This industry includes establishments engaged in selling primarily lumber, or lumber and a general line of building materials, to the general public. While these establishments may sell primarily to construction contractors, they are known as retail in the trade. The lumber which they sell may include rough and dressed lumber, flooring, molding, doors, sashes, frames, and other millwork. The building materials may include roofing, siding, shingles, and other building materials and supplies.

SIC 523 - PAINT, GLASS, AND WALLPAPER STORES

Included in this category are establishments engaged in selling primarily paint, glass, and wallpaper, or any combination of these lines, to the general public. While these establishments may also sell to contractors, they are known as retail in the trade.

SIC 525 - HARDWARE STORES

Establishments engaged in the retail sale of a number of basic hardware lines, such as tools, builders' hardware, paint and glass, housewares and household appliances, and cutlery are included in this industry.

SIC 526 - RETAIL NURSERIES, LAWN AND GARDEN SUPPLY STORES

This industry includes establishments primarily engaged in selling trees, shrubs, other plants, seeds, bulbs, mulches, soil conditioners, fertilizers, pesticides, garden tools, and other garden supplies to the general public. These establishments primarily sell products purchased from others, but may sell some plants which they grow themselves.

SIC 527 - MOBILE HOME DEALERS

These establishments primarily engage in the retail sale of new and used mobile homes, parts, and equipment.

SIC 52 BUILDING MATERIALS & GARDEN SUPPLIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	44,680	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	4,330	9.66	N.A.	N.A.
FINANCIAL MANAGERS	50	0.11	18.47	6.87
PURCHASING MANAGERS	570	1.27	20.95	16.41
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	40	0.08	31.55	4.96
ALL OTHER ADMINISTRATIVE MANAGERS	90	0.20	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	20	0.04	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	3 390	7.58	6.36	77.10
ALL OTHER MANAGERS AND ADMINISTRATORS	170	0.38	8.23	5.34
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	880	1.94	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	140	0.31	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	140	0.31	41.68	8.02
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	280	0.62	28.14	10.31
COST ESTIMATORS	170	0.38	37.59	6.11
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	20	0.04	N.A.	N.A.
DRAFTERS	20	0.04	35.63	3.44
COMPUTER SCIENTISTS AND RELATED WORKERS	60	0.13	N.A.	N.A.
COMPUTER PROGRAMMER AIDES	60	0.13	29.42	1.91
INTERIOR DESIGNERS	70	0.15	42.74	3.05
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	140	0.31	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	22,340	49.95	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	2,220	4.96	9.62	37.40
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,240	2.77	22.47	18.32
SALESPERSONS, RETAIL	12,270	27.44	4.59	70.99
STOCK CLERKS, SALES FLOOR	2,620	5.86	14.07	26.34
CASHIERS	3,640	8.14	7.32	29.39
ALL OTHER SALES AND RELATED WORKERS	350	0.78	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6,300	14.04	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	60	0.13	22.00	2.67
CREDIT CHECKERS	10	0.02	41.87	1.15
ADJUSTMENT CLERKS	250	0.55	8.71	2.67
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	10	0.02	N.A.	N.A.
SECRETARIES	820	1.83	17.25	24.43

SIC 52 BUILDING MATERIALS & GARDEN SUPPLIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	2,000	4.47	9.68	48.09
PAYROLL AND TIMEKEEPING CLERKS	10	0.02	49.11	1.91
BILLING, COST AND RATE CLERKS	90	0.20	39.44	4.58
GENERAL OFFICE CLERKS	980	2.19	16.23	29.77
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	80	0.17	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	80	0.17	N.A.	N.A.
SWITCHBOARD OPERATORS	20	0.04	35.14	2.67
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,700	3.80	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	720	1.61	25.97	14.89
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	980	2.19	17.44	15.27
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	270	0.60	N.A.	N.A.
SERVICE OCCUPATIONS	310	0.67	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	80	0.17	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	210	0.46	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	200	0.44	33.56	8.78
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	10	0.02	N.A.	N.A.
ALL OTHER SERVICE WORKERS	20	0.04	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	1,890	4.22	N.A.	N.A.
NURSERY WORKERS	1,150	2.57	11.76	15.27
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM	740	1.65	18.69	11.07
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	8,630	19.23	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	190	0.42	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	130	0.29	22.34	8.02
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	60	0.13	21.81	3.44
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	560	1.24	N.A.	N.A.
AUTOMOTIVE BODY AND RELATED REPAIRERS	170	0.38	28.14	4.58
SMALL ENGINE SPECIALISTS	330	0.73	30.20	5.73
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	60	0.13	N.A.	N.A.
INSTALLERS AND REPAIRERS- MANUFACTURED BUILDINGS, MOBILE HOMES, AND TRAVEL TRAILERS	190	0.42	24.47	4.20

SIC 52 BUILDING MATERIALS & GARDEN SUPPLIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	470	1.05	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	1,680	3.74	N.A.	N.A.
CARPENTERS	560	1.25	39.52	3.82
GLAZIERS	1,000	2.23	13.20	12.60
ALL OTHER CONSTRUCTION TRADES WORKERS	120	0.26	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	190	0.42	N.A.	N.A.
PRECISION WOODWORKERS	170	0.38	N.A.	N.A.
WOOD MACHINISTS	170	0.38	49.85	2.67
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	10	0.02	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	10	0.02	N.A.	N.A.
MOTOR VEHICLE OPERATORS	2,210	4.94	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	890	1.99	24.34	12.21
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	1,320	2.95	23.53	20.23
MATERIAL MOVING EQUIPMENT OPERATORS	1,060	2.37	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	1,060	2.37	28.01	10.31
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	10	0.02	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	700	1.56	49.12	3.44
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	990	2.21	35.71	7.25
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	200	0.44	N.A.	N.A.

SIC 521 LUMBER AND OTHER BUILDING MATERIALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	22,910	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,140	9.31	N.A.	N.A.
FINANCIAL MANAGERS	30	0.13	27.84	11.11
PURCHASING MANAGERS	330	1.44	32.90	23.81
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	20	0.08	36.32	7.94
ALL OTHER ADMINISTRATIVE MANAGERS	50	0.21	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	10	0.04	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	1,680	7.33	11.05	88.89
ALL OTHER MANAGERS AND ADMINISTRATORS	20	0.08	49.48	4.76
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	380	1.64	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	80	0.34	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	80	0.34	N.A.	N.A.
ALL OTHER MANAGEMENT SUPPORT WORKERS	220	0.96	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	60	0.26	N.A.	N.A.
COMPUTER PROGRAMMER AIDES	60	0.26	29.42	7.94
SALES AND RELATED OCCUPATIONS	10,740	46.88	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	940	4.10	18.78	44.44
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	600	2.62	40.48	23.81
SALESPERSONS, RETAIL	5,710	24.93	8.07	71.43
STOCK CLERKS, SALES FLOOR	1,400	6.11	22.89	47.62
CASHIERS	1,830	7.99	12.84	46.03
ALL OTHER SALES AND RELATED WORKERS	260	1.13	34.25	6.35
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,610	15.72	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	30	0.13	40.03	6.35
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	30	0.13	N.A.	N.A.
SECRETARIES	440	1.92	29.31	25.40
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,160	5.06	15.13	65.08
GENERAL OFFICE CLERKS	400	1.74	32.10	38.10
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	60	0.26	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	60	0.26	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,300	5.66	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	460	2.00	35.05	23.81

SIC 521 LUMBER AND OTHER BUILDING MATERIALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	780	3.40	21.34	39.68
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	60	0.26	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	190	0.82	N.A.	N.A.
SERVICE OCCUPATIONS	190	0.82	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	70	0.30	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	120	0.52	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	120	0.52	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	30	0.13	N.A.	N.A.
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	30	0.13	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	5,820	25.34	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	100	0.42	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	50	0.21	23.62	12.70
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	50	0.21	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	70	0.30	N.A.	N.A.
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	70	0.30	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	280	1.22	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	610	2.66	N.A.	N.A.
CARPENTERS	470	2.05	45.73	9.52
ALL OTHER CONSTRUCTION TRADES WORKERS	140	0.61	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	190	0.82	N.A.	N.A.
PRECISION WOODWORKERS	160	0.69	N.A.	N.A.
ALL OTHER PRECISION WOODWORKERS	160	0.69	N.A.	N.A.
OTHER HAND WORKERS, NEC	50	0.21	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	50	0.21	N.A.	N.A.
MOTOR VEHICLE OPERATORS	1,980	8.64	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	820	3.58	26.13	36.51
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	1,160	5.06	26.49	47.62
MATERIAL MOVING EQUIPMENT OPERATORS	1,010	4.41	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	1,010	4.41	29.40	30.16
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	1,320	5.76	N.A.	N.A.

SIC 521 LUMBER AND OTHER BUILDING MATERIALS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS..	50	0.21	N.A.	N.A.

SIC 523 PAINT, GLASS, AND WALLPAPER STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	4,440	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	510	11.48	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	50	1.12	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	460	10.36	8.96	75.71
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	80	1.79	N.A.	N.A.
COST ESTIMATORS	30	0.67	47.18	10.00
SALES AND RELATED OCCUPATIONS	1,980	44.57	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	260	5.85	21.50	30.00
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	290	6.53	20.15	25.71
SALESPERSONS, RETAIL	1,220	27.47	11.50	68.57
STOCK CLERKS, SALES FLOOR	120	2.70	27.61	15.71
CASHIERS	80	1.80	23.13	11.43
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	470	10.57	N.A.	N.A.
SECRETARIES	120	2.70	26.53	20.00
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	180	4.05	18.89	38.57
GENERAL OFFICE CLERKS	80	1.80	32.47	12.86
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	80	1.80	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	80	1.80	24.64	14.29
SERVICE OCCUPATIONS	20	0.45	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	0.45	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	0.45	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,380	31.05	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	70	1.57	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	70	1.57	17.31	1.43
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	170	3.82	N.A.	N.A.
AUTOMOTIVE BODY AND RELATED REPAIRERS	170	3.82	28.14	17.14
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	980	22.07	N.A.	N.A.

SIC 523 PAINT, GLASS, AND WALLPAPER STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GLAZIERS	980	22.07	13.44	44.29
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	10	0.22	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	10	0.22	N.A.	N.A.
OTHER HAND WORKERS, NEC	30	0.67	N.A.	N.A.
ASSEMBLERS AND FABRICATORS, EXCEPT MACHINE, ELECTRICAL, ELECTRONIC, AND PRECISION	30	0.67	18.36	2.86
MOTOR VEHICLE OPERATORS	80	1.80	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	80	1.80	39.73	11.43
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	20	0.45	39.87	1.43

SIC 525 HARDWARE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	8,800	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	790	8.97	N.A.	N.A.
PURCHASING MANAGERS	30	0.34	43.38	11.11
GENERAL MANAGERS AND TOP EXECUTIVES	620	7.04	13.13	73.33
ALL OTHER MANAGERS AND ADMINISTRATORS	140	1.59	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	120	1.35	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	90	1.02	46.16	13.33
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	20	0.22	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	6,090	69.19	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	470	5.34	17.70	46.67
SALESPERSONS, RETAIL	3,720	42.27	6.09	93.33
STOCK CLERKS, SALES FLOOR	620	7.04	28.42	33.33
CASHIERS	1,170	13.29	9.84	51.11
ALL OTHER SALES AND RELATED WORKERS	110	1.25	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,310	14.84	N.A.	N.A.
ADJUSTMENT CLERKS	240	2.72	8.79	11.11
SECRETARIES	70	0.79	46.20	15.56
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	30	0.34	26.08	11.11
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	380	4.31	16.58	55.56
GENERAL OFFICE CLERKS	240	2.72	28.27	37.78
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	330	3.74	N.A.	N.A.
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	160	1.81	18.84	22.22
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	170	1.93	N.A.	N.A.
SERVICE OCCUPATIONS	40	0.45	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	30	0.34	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	30	0.34	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	450	5.08	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	10	0.11	N.A.	N.A.

SIC 525 HARDWARE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	10	0.11	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	100	1.13	N.A.	N.A.
PRECISION WOODWORKERS	10	0.11	N.A.	N.A.
ALL OTHER PRECISION WOODWORKERS	10	0.11	N.A.	N.A.
MOTOR VEHICLE OPERATORS	40	0.45	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	40	0.45	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	30	0.34	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	30	0.34	10.93	11.11
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	10	0.11	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	240	2.72	32.01	17.78
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	10	0.11	N.A.	N.A.

SIC 526 RETAIL NURSERIES AND GARDEN STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	6,790	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	600	8.78	N.A.	N.A.
FINANCIAL MANAGERS	10	0.14	1.88	7.81
PURCHASING MANAGERS	110	1.61	21.15	23.44
ALL OTHER ADMINISTRATIVE MANAGERS	40	0.58	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	420	6.16	11.04	68.75
ALL OTHER MANAGERS AND ADMINISTRATORS	20	0.29	32.96	6.25
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	260	3.79	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	30	0.44	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	30	0.44	31.43	14.06
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	70	1.02	31.30	18.75
COST ESTIMATORS	40	0.58	31.58	7.81
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	110	1.61	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,830	41.53	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	470	6.90	10.00	35.94
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	110	1.61	33.00	15.63
SALESPERSONS, RETAIL	1,180	17.32	10.08	57.81
STOCK CLERKS, SALES FLOOR	480	7.04	4.89	20.31
CASHIERS	560	8.22	7.71	26.56
ALL OTHER SALES AND RELATED WORKERS	30	0.44	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	650	9.50	N.A.	N.A.
SECRETARIES	110	1.61	23.78	25.00
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	250	3.67	11.67	42.19
BILLING, COST AND RATE CLERKS	40	0.58	36.55	6.25
GENERAL OFFICE CLERKS	140	2.05	21.58	31.25
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	20	0.29	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	20	0.29	24.74	7.81
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	80	1.16	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	40	0.58	43.22	10.94
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	40	0.58	N.A.	N.A.

SIC 526 RETAIL NURSERIES AND GARDEN STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SERVICE OCCUPATIONS	40	0.58	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	1,840	27.01	N.A.	N.A.
NURSERY WORKERS	1,150	16.88	11.76	62.50
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM	690	10.13	19.16	39.06
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	570	8.34	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	20	0.29	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	20	0.29	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	40	0.58	40.21	12.50
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	320	4.69	N.A.	N.A.
SMALL ENGINE SPECIALISTS	300	4.40	29.86	20.31
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	20	0.29	N.A.	N.A.
MOTOR VEHICLE OPERATORS	60	0.88	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	30	0.44	40.97	9.38
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	30	0.44	44.97	10.94
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	20	0.29	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	110	1.61	N.A.	N.A.

SIC 527 MOBILE HOME DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	1,770	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	290	16.47	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	50	2.84	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	220	12.50	18.42	80.00
ALL OTHER MANAGERS AND ADMINISTRATORS	20	1.13	0.00	5.00
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	40	2.26	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	30	1.70	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	30	1.70	N.A.	N.A.
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	10	0.56	0.00	5.00
SALES AND RELATED OCCUPATIONS	700	39.76	N.A.	N.A.
SALESPERSONS, RETAIL	450	25.56	31.68	70.00
ALL OTHER SALES AND RELATED WORKERS	250	14.20	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	280	15.89	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	20	1.13	0.00	5.00
SECRETARIES	90	5.11	37.99	55.00
GENERAL OFFICE CLERKS	110	6.25	43.97	40.00
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	60	3.40	N.A.	N.A.
SERVICE OCCUPATIONS	40	2.27	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	2.27	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	2.27	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	20	1.13	N.A.	N.A.
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	20	1.13	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	400	22.71	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	20	1.13	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	20	1.13	N.A.	N.A.
INSTALLERS AND REPAIRERS- MANUFACTURED BUILDINGS, MOBILE HOMES, AND TRAVEL TRAILERS	190	10.79	24.47	55.00

SIC 527 MOBILE HOME DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	50	2.84	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	90	5.11	N.A.	N.A.
ALL OTHER CARPENTRY AND RELATED WORKERS	90	5.11	N.A.	N.A.
MOTOR VEHICLE OPERATORS	50	2.84	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	50	2.84	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 53 - GENERAL MERCHANDISE STORES

This major group includes retail stores which sell a number of lines of merchandise, such as dry goods, apparel and accessories, furniture and homefurnishings, small wares, hardware, and food. The stores included in this group are known as department stores, variety stores, general merchandise stores and general stores.

SIC 531 - DEPARTMENT STORES

This group includes retail stores carrying a general line of apparel, such as suits, coats, dresses, furnishings; homefurnishings, such as furniture, floor coverings, curtains, draperies, linens, major household appliances; and housewares, such as table and kitchen appliances, dishes, and utensils. These and other merchandise lines are normally arranged in separate sections or departments with the accounting on a departmentalized basis. The departments and functions are integrated under a single management. The stores usually provide their own charge accounts, deliver merchandise, and maintain open stocks.

SIC 533 - VARIETY STORES

Included in this category are establishments engaged in the retail sale of a variety of merchandise in the low and popular price ranges. Sales usually are made on a cash-and-carry basis, with the open-selling method of display and customer selection of merchandise. These stores generally do not carry a complete line of merchandise, are not departmentalized, do not carry their own charge service, and do not deliver merchandise.

SIC 539 - MISCELLANEOUS GENERAL MERCHANDISE STORES

Establishments engaged in the retail sale of a general line of apparel, dry goods, hardware, housewares or homefurnishings, groceries, and other lines in limited amounts are included in this industry.

SIC 53 GENERAL MERCHANDISE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	163,930	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	8,450	5.10	N.A.	N.A.
FINANCIAL MANAGERS	310	0.18	20.54	12.79
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	170	0.10	27.38	12.21
PURCHASING MANAGERS	680	0.41	33.26	18.60
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	900	0.54	22.34	18.02
ADMINISTRATIVE SERVICES MANAGERS	30	0.01	42.05	2.91
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	200	0.12	38.94	4.65
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	240	0.14	25.33	20.93
FOOD SERVICE AND LODGING MANAGERS	30	0.01	40.35	3.49
GENERAL MANAGERS AND TOP EXECUTIVES	4,840	2.95	7.91	79.65
ALL OTHER MANAGERS AND ADMINISTRATORS	1,050	0.64	27.17	14.53
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	5,490	3.25	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	320	0.18	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	250	0.15	20.26	9.30
BUDGET ANALYSTS	30	0.01	40.72	2.33
ALL OTHER FINANCIAL SPECIALISTS	40	0.02	25.87	2.33
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	1,550	0.94	22.90	16.28
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	280	0.17	19.90	17.44
ALL OTHER MANAGEMENT SUPPORT WORKERS	430	0.26	35.88	6.40
ENGINEERS	160	0.09	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERS	110	0.06	44.64	0.58
ALL OTHER ENGINEERS	50	0.03	43.99	5.23
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	80	0.04	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	80	0.04	31.65	1.74
COMPUTER SCIENTISTS AND RELATED WORKERS	460	0.26	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	320	0.19	38.99	4.07
COMPUTER PROGRAMMERS	80	0.04	43.97	5.81
COMPUTER PROGRAMMER AIDES	60	0.03	41.16	2.33
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	270	0.16	N.A.	N.A.
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	270	0.16	23.43	2.33
WRITERS AND EDITORS	80	0.04	39.42	2.91
ARTISTS AND RELATED WORKERS	140	0.08	33.13	6.98
DESIGNERS, EXCEPT INTERIOR DESIGNERS	190	0.11	32.26	8.14
INTERIOR DESIGNERS	100	0.06	24.18	4.07

SIC 53 GENERAL MERCHANDISE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	850	0.51	26.57	18.60
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	580	0.35	21.39	12.21
SALES AND RELATED OCCUPATIONS	99,200	60.48	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	11,360	6.93	14.17	71.51
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	70	0.04	38.64	6.98
SALESPERSONS, RETAIL	50,910	31.05	5.22	89.53
COUNTER AND RENTAL CLERKS	1,470	0.89	17.26	18.60
STOCK CLERKS, SALES FLOOR	13,920	8.49	7.52	62.21
CASHIERS	18,020	10.99	9.11	76.16
DEMONSTRATORS, PROMOTERS, AND MODELS	190	0.11	21.26	9.88
ALL OTHER SALES AND RELATED WORKERS	3,260	1.98	12.10	20.35
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	31,810	19.30	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,500	0.91	14.58	44.77
ADJUSTMENT CLERKS	3,160	1.92	9.29	40.70
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	340	0.20	N.A.	N.A.
SECRETARIES	840	0.51	18.93	22.67
RECEPTIONISTS AND INFORMATION CLERKS	1,620	0.98	19.54	36.63
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	180	0.10	20.21	15.12
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	1,040	0.63	31.40	17.44
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	2,010	1.22	10.46	51.16
PAYROLL AND TIMEKEEPING CLERKS	120	0.07	27.44	12.79
GENERAL OFFICE CLERKS	4,440	2.70	9.01	41.28
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	2,760	1.67	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	710	0.43	33.01	13.95
MAIL MACHINE OPERATORS, PREPARATION AND HANDLING	70	0.04	27.70	2.91
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	150	0.09	18.18	6.98
PERIPHERAL EDP EQUIPMENT OPERATORS	40	0.02	29.98	2.33
DATA ENTRY KEYERS, EXCEPT COMPOSING	1,560	0.95	16.47	35.47
ALL OTHER OFFICE MACHINE OPERATORS	230	0.14	48.33	9.30
SWITCHBOARD OPERATORS	330	0.20	30.81	17.44
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	40	0.02	38.15	5.23
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	10,730	6.53	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	200	0.12	36.33	8.72

SIC 53 GENERAL MERCHANDISE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MARKING CLERKS	1,120	0.68	12.64	16.28
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	5,170	3.15	11.64	34.88
ORDER FILLERS, WHOLESALE AND RETAIL SALES	460	0.28	38.82	8.14
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	3,780	2.30	18.74	35.47
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	2,700	1.64	N.A.	N.A.
SERVICE OCCUPATIONS	7,850	4.72	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	430	0.26	15.54	15.12
DETECTIVES AND INVESTIGATORS, EXCEPT PUBLIC	680	0.41	19.68	9.88
GUARDS AND WATCH GUARDS	490	0.29	22.67	25.58
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	1,650	0.98	N.A.	N.A.
HOSTS AND HOSTESSES, RESTAURANT, LOUNGE OR COFFEE SHOP	40	0.02	40.64	2.91
WAITERS AND WAITRESSES	270	0.16	46.38	7.56
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	640	0.39	18.81	10.47
BAKERS, BREAD AND PASTRY	20	0.01	36.84	2.33
FOOD PREPARATION WORKERS	500	0.30	18.02	5.23
ALL OTHER FOOD SERVICE WORKERS	180	0.10	N.A.	N.A.
HEALTH SERVICE AND RELATED WORKERS	110	0.06	N.A.	N.A.
ALL OTHER HEALTH SERVICE WORKERS	110	0.06	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	2,470	1.50	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	2,420	1.47	11.64	51.16
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.03	34.51	1.16
HAIRDRESSERS, HAIRSTYLISTS, AND COSMETOLOGISTS	1,780	1.08	41.47	6.98
ALL OTHER SERVICE WORKERS	240	0.14	21.95	1.74
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	11,130	6.69	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	390	0.23	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	150	0.09	28.34	12.79
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	150	0.09	23.42	10.47
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	90	0.05	31.06	3.49
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	140	0.08	40.50	1.16
MACHINERY MAINTENANCE MECHANICS	70	0.04	27.18	2.91
MAINTENANCE REPAIRERS, GENERAL UTILITY	100	0.06	37.63	13.95
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	1,330	0.81	N.A.	N.A.

SIC 53 GENERAL MERCHANDISE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
AUTOMOTIVE MECHANICS	1,330	0.81	27.29	12.21
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	1,520	0.92	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	500	0.30	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	50	0.03	N.A.	N.A.
ALL OTHER CARPENTRY AND RELATED WORKERS	50	0.03	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	80	0.04	N.A.	N.A.
PRECISION METAL WORKERS	20	0.01	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	20	0.01	N.A.	N.A.
PRECISION WOODWORKERS	20	0.01	N.A.	N.A.
ALL OTHER PRECISION WOODWORKERS	20	0.01	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	280	0.17	N.A.	N.A.
CUSTOM TAILORS AND SEWERS	280	0.17	26.76	12.79
PRECISION WORKERS, NEC	180	0.10	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	180	0.10	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	80	0.04	N.A.	N.A.
SEWING MACHINE OPERATORS, NON-GARMENT	80	0.04	27.41	2.33
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	160	0.09	N.A.	N.A.
OTHER HAND WORKERS, NEC	240	0.14	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	240	0.14	27.40	3.49
MOTOR VEHICLE OPERATORS	620	0.37	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	340	0.20	22.08	12.79
ALL OTHER MOTOR VEHICLE OPERATORS	280	0.17	N.A.	N.A.
ALL OTHER TRANSPORTATION AND RELATED WORKERS	40	0.02	32.66	1.74
MATERIAL MOVING EQUIPMENT OPERATORS	690	0.42	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	690	0.42	23.17	16.28
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	2,090	1.27	19.82	26.74
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	1,820	1.11	30.23	6.40
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	710	0.43	N.A.	N.A.

SIC 531 DEPARTMENT STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	147,330	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	7,110	4.79	N.A.	N.A.
FINANCIAL MANAGERS	300	0.20	20.84	20.73
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	170	0.11	27.64	23.17
PURCHASING MANAGERS	550	0.37	40.01	20.73
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	900	0.61	22.41	34.15
ADMINISTRATIVE SERVICES MANAGERS	30	0.02	43.45	4.88
ALL OTHER ADMINISTRATIVE MANAGERS	200	0.13	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	230	0.15	25.79	39.02
FOOD SERVICE AND LODGING MANAGERS	20	0.01	49.79	6.10
GENERAL MANAGERS AND TOP EXECUTIVES	3,690	2.50	9.84	93.90
ALL OTHER MANAGERS AND ADMINISTRATORS	1,020	0.69	27.96	25.61
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	5,320	3.53	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	310	0.20	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	240	0.16	20.59	13.41
ALL OTHER FINANCIAL SPECIALISTS	70	0.04	25.15	3.66
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	1,450	0.98	24.42	20.73
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	280	0.19	20.18	34.15
ALL OTHER MANAGEMENT SUPPORT WORKERS	420	0.28	37.15	12.20
ENGINEERS	160	0.10	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERS	110	0.07	44.64	1.22
ALL OTHER ENGINEERS	50	0.03	43.99	10.98
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	80	0.05	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	80	0.05	32.37	2.44
COMPUTER SCIENTISTS AND RELATED WORKERS	440	0.29	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	310	0.21	40.12	4.88
COMPUTER PROGRAMMERS	70	0.04	41.06	9.76
COMPUTER PROGRAMMER AIDES	60	0.04	40.43	3.66
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	270	0.18	N.A.	N.A.
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	270	0.18	23.43	4.88
WRITERS AND EDITORS	80	0.05	39.69	4.88
ARTISTS AND RELATED WORKERS	140	0.09	33.28	13.41
DESIGNERS, EXCEPT INTERIOR DESIGNERS	190	0.12	32.26	17.07
INTERIOR DESIGNERS	100	0.06	24.18	8.54
MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	820	0.55	27.47	32.93

SIC 531 DEPARTMENT STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	580	0.39	21.40	24.39
SALES AND RELATED OCCUPATIONS	86,840	58.92	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	10,270	6.97	15.59	85.37
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	70	0.04	38.64	14.63
SALESPERSONS, RETAIL	44,510	30.21	5.81	97.56
STOCK CLERKS, SALES FLOOR	11,920	8.09	6.60	60.98
CASHIERS	15,460	10.49	10.33	84.15
DEMONSTRATORS, PROMOTERS, AND MODELS	190	0.12	21.26	20.73
ALL OTHER SALES AND RELATED WORKERS	4,420	3.00	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	29,890	20.18	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,320	0.89	15.61	70.73
ADJUSTMENT CLERKS	3,120	2.11	9.36	78.05
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	340	0.23	N.A.	N.A.
SECRETARIES	720	0.48	21.70	34.15
RECEPTIONISTS AND INFORMATION CLERKS	1,610	1.09	19.60	70.73
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	120	0.08	25.19	21.95
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	1,030	0.69	31.68	32.93
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,660	1.12	11.75	71.95
PAYROLL AND TIMEKEEPING CLERKS	80	0.05	32.93	18.29
GENERAL OFFICE CLERKS	4,250	2.88	9.35	62.20
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	2,720	1.82	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	710	0.48	33.07	28.05
MAIL MACHINE OPERATORS, PREPARATION AND HANDLING	70	0.04	27.66	4.88
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	140	0.09	19.01	9.76
DATA ENTRY KEYERS, EXCEPT COMPOSING	1,540	1.04	16.53	70.73
ALL OTHER OFFICE MACHINE OPERATORS	260	0.17	48.55	18.29
SWITCHBOARD OPERATORS	330	0.22	31.24	31.71
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	40	0.02	40.04	9.76
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	10,280	6.96	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	200	0.13	36.33	18.29
MARKING CLERKS	1,050	0.71	13.22	25.61
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	4,680	3.17	12.77	63.41
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	3,670	2.49	19.29	63.41

SIC 531 DEPARTMENT STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	680	0.46	37.42	3.66
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	2,270	1.54	N.A.	N.A.
SERVICE OCCUPATIONS	7,230	4.85	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	420	0.28	15.95	29.27
DETECTIVES AND INVESTIGATORS, EXCEPT PUBLIC	680	0.46	19.87	19.51
GUARDS AND WATCH GUARDS	480	0.32	22.73	51.22
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	1,330	0.88	N.A.	N.A.
HOSTS AND HOSTESSES, RESTAURANT, LOUNGE OR COFFEE SHOP	40	0.02	40.64	6.10
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	600	0.40	19.77	18.29
FOOD PREPARATION WORKERS	430	0.29	18.55	7.32
ALL OTHER FOOD SERVICE WORKERS	260	0.17	N.A.	N.A.
HEALTH SERVICE AND RELATED WORKERS	110	0.07	N.A.	N.A.
ALL OTHER HEALTH SERVICE WORKERS	110	0.07	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	2,190	1.48	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	2,140	1.45	12.96	71.95
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.03	34.51	2.44
HAIRDRESSERS, HAIRSTYLISTS, AND COSMETOLOGISTS	1,780	1.20	41.47	14.63
ALL OTHER SERVICE WORKERS	240	0.16	21.95	3.66
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	10,940	7.33	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	380	0.25	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	150	0.10	28.64	24.39
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	230	0.15	N.A.	N.A.
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	140	0.09	40.50	2.44
MACHINERY MAINTENANCE MECHANICS	70	0.04	27.18	6.10
MAINTENANCE REPAIRERS, GENERAL UTILITY	90	0.06	42.34	24.39
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	1,320	0.89	N.A.	N.A.
AUTOMOTIVE MECHANICS	1,320	0.89	27.54	24.39
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	1,520	1.03	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	480	0.32	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	20	0.01	N.A.	N.A.

SIC 531 DEPARTMENT STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER CARPENTRY AND RELATED WORKERS	20	0.01	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	60	0.04	N.A.	N.A.
PRECISION METAL WORKERS	20	0.01	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	20	0.01	N.A.	N.A.
PRECISION WOODWORKERS	20	0.01	N.A.	N.A.
ALL OTHER PRECISION WOODWORKERS	20	0.01	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	280	0.19	N.A.	N.A.
CUSTOM TAILORS AND SEWERS	280	0.19	26.76	26.83
PRECISION WORKERS, NEC	180	0.12	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	180	0.12	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	80	0.05	N.A.	N.A.
SEWING MACHINE OPERATORS, NON-GARMENT	80	0.05	27.41	4.88
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	160	0.10	N.A.	N.A.
OTHER HAND WORKERS, NEC	240	0.16	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	240	0.16	27.40	7.32
MOTOR VEHICLE OPERATORS	590	0.39	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	330	0.22	22.13	23.17
ALL OTHER MOTOR VEHICLE OPERATORS	260	0.17	N.A.	N.A.
ALL OTHER TRANSPORTATION AND RELATED WORKERS	40	0.02	32.66	3.66
MATERIAL MOVING EQUIPMENT OPERATORS	670	0.45	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	670	0.45	23.86	32.93
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	2,050	1.39	20.19	53.66
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	1,820	1.23	30.23	13.41
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	710	0.48	N.A.	N.A.

SIC 533 VARIETY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	9,960	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	730	7.31	N.A.	N.A.
PURCHASING MANAGERS	60	0.60	45.46	17.39
ALL OTHER SUPPORT SERVICES MANAGERS	10	0.10	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	650	6.51	9.96	63.04
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	80	0.80	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	40	0.40	33.56	10.87
ALL OTHER MANAGEMENT SUPPORT WORKERS	10	0.10	9.79	2.17
SALES AND RELATED OCCUPATIONS	7,390	74.10	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	650	6.51	9.59	71.74
SALESPERSONS, RETAIL	4,100	41.12	4.83	80.43
COUNTER AND RENTAL CLERKS	110	1.10	45.07	10.87
STOCK CLERKS, SALES FLOOR	1,090	10.93	13.73	73.91
CASHIERS	1,420	14.24	9.24	80.43
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,120	11.21	N.A.	N.A.
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	10	0.10	N.A.	N.A.
SECRETARIES	100	1.00	32.29	13.04
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	60	0.60	33.69	15.22
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	90	0.90	34.19	17.39
GENERAL OFFICE CLERKS	110	1.10	22.48	28.26
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	20	0.20	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	20	0.20	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	630	6.31	N.A.	N.A.
MARKING CLERKS	60	0.60	32.64	10.87
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	360	3.61	12.46	4.35
ORDER FILLERS, WHOLESALE AND RETAIL SALES	120	1.20	29.92	4.35
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	60	0.60	14.06	6.52
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	30	0.30	9.16	2.17
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	100	1.00	N.A.	N.A.
SERVICE OCCUPATIONS	560	5.60	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	10	0.10	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	290	2.90	N.A.	N.A.

SIC 533 VARIETY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
WAITERS AND WAITRESSES	110	1.10	37.42	8.70
ALL OTHER FOOD SERVICE WORKERS	180	1.80	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	250	2.50	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	250	2.50	17.66	50.00
ALL OTHER SERVICE WORKERS	10	0.10	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	80	0.80	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	10	0.10	N.A.	N.A.
ALL OTHER CARPENTRY AND RELATED WORKERS	10	0.10	N.A.	N.A.
MOTOR VEHICLE OPERATORS	20	0.20	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	20	0.20	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	20	0.20	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	20	0.20	9.17	2.17

SIC 539 MISC. GENERAL MERCHANDISE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	6,640	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	600	9.03	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	70	1.05	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	500	7.53	20.06	70.45
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	100	1.50	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	60	0.90	41.79	13.64
SALES AND RELATED OCCUPATIONS	4,980	74.97	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	440	6.62	33.89	45.45
SALESPERSONS, RETAIL	2,300	34.63	24.89	84.09
CASHIERS	1,140	17.16	30.75	56.82
ALL OTHER SALES AND RELATED WORKERS	1,100	16.56	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	790	11.87	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	140	2.10	45.57	34.09
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	260	3.91	27.88	47.73
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	200	3.00	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	130	1.95	45.83	13.64
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	70	1.05	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	190	2.86	N.A.	N.A.
SERVICE OCCUPATIONS	80	1.20	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	50	0.75	N.A.	N.A.
ALL OTHER FOOD SERVICE WORKERS	50	0.75	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	30	0.45	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	30	0.45	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	90	1.35	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	30	0.45	N.A.	N.A.
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	30	0.45	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	40	0.60	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 54 - FOOD STORES

This major group includes retail stores primarily engaged in selling food for home preparation and consumption.

SIC 541 - GROCERY STORES

Included in this industry are stores, commonly known as supermarkets, food stores and grocery stores, primarily engaged in the retail sale of all sorts of canned foods and dry goods, such as tea, coffee, spices, sugar, and flour; fresh fruits and vegetables; and fresh and prepared meats, fish, and poultry.

SIC 542 - MEAT AND FISH (SEAFOOD) MARKETS, INCLUDING FREEZER PROVISIONERS

This group includes establishments engaged in the retail sale, on a bulk basis, of meat for freezer storage. This industry also includes establishments primarily providing home freezer plans. The retail sale of fresh, frozen, or cured meats, fish, shellfish, and other seafoods are also included. Meat markets may butcher animals on their own account, or they may buy from others.

SIC 546 - RETAIL BAKERIES

Establishments primarily engaged in the retail sale of bakery products are in this category. The products may be purchased from others or made on the premises.

SIC 549 - MISCELLANEOUS FOOD STORES

This group includes establishments primarily engaged in the retail sale of specialized foods, not elsewhere classified, such as eggs, poultry, health foods, spices, herbs, coffee, and tea.

SIC 54 FOOD STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	225,320	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	10,620	4.67	N.A.	N.A.
ADMINISTRATIVE SERVICES MANAGERS	600	0.26	33.03	1.69
ALL OTHER ADMINISTRATIVE MANAGERS	420	0.18	N.A.	N.A.
FOOD SERVICE AND LODGING MANAGERS	150	0.06	41.16	1.36
ALL OTHER SUPPORT SERVICES MANAGERS	90	0.03	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	9,050	4.01	23.35	54.92
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	2,740	1.16	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	280	0.12	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	280	0.12	N.A.	N.A.
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	40	0.01	12.26	1.36
ALL OTHER MANAGEMENT SUPPORT WORKERS	1,640	0.72	N.A.	N.A.
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	30	0.01	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	30	0.01	32.99	0.34
COMPUTER SCIENTISTS AND RELATED WORKERS	50	0.01	N.A.	N.A.
COMPUTER PROGRAMMERS	20	0.00	33.57	0.34
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	30	0.01	N.A.	N.A.
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	390	0.17	N.A.	N.A.
PHARMACISTS	390	0.17	20.46	4.07
DESIGNERS, EXCEPT INTERIOR DESIGNERS	200	0.08	25.02	2.03
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	110	0.04	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	134,180	59.52	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	9,960	4.42	34.77	38.64
SALESPERSONS, RETAIL	9,370	4.15	33.47	54.58
COUNTER AND RENTAL CLERKS	240	0.10	33.44	0.34
STOCK CLERKS, SALES FLOOR	47,540	21.09	13.47	21.36
CASHIERS	66,950	29.71	13.37	46.10
ALL OTHER SALES AND RELATED WORKERS	120	0.05	40.05	2.03
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	23,990	10.58	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	280	0.12	31.11	2.03
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	2,690	1.19	N.A.	N.A.

SIC 54 FOOD STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SECRETARIES	1,130	0.50	43.33	16.95
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	40	0.01	12.12	1.36
CORRESPONDENCE CLERKS	30	0.01	33.70	0.34
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	3,480	1.54	43.88	26.78
GENERAL OFFICE CLERKS	12,090	5.36	1.25	12.20
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	160	0.06	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	50	0.02	18.84	1.36
ALL OTHER OFFICE MACHINE OPERATORS	110	0.04	N.A.	N.A.
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	30	0.01	28.43	1.36
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	3,470	1.52	N.A.	N.A.
MARKING CLERKS	50	0.02	33.27	0.34
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	2,590	1.14	29.27	8.47
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	550	0.24	48.94	6.10
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	280	0.12	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	590	0.26	N.A.	N.A.
SERVICE OCCUPATIONS	24,810	10.97	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	480	0.21	37.06	2.37
ALL OTHER PROTECTIVE SERVICE WORKERS	200	0.08	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	21,930	9.72	N.A.	N.A.
BAKERS, BREAD AND PASTRY	2,750	1.22	16.21	29.83
BUTCHERS AND MEAT CUTTERS	7,770	3.44	22.89	28.81
FOOD PREPARATION WORKERS	2,980	1.32	23.76	18.64
ALL OTHER FOOD SERVICE WORKERS	8,430	3.74	N.A.	N.A.
HEALTH SERVICE AND RELATED WORKERS	30	0.01	N.A.	N.A.
ALL OTHER HEALTH SERVICE WORKERS	30	0.01	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	2,160	0.95	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	2,160	0.95	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	28,980	12.77	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	220	0.09	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	220	0.09	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS	30	0.01	32.99	0.34

SIC 54 FOOD STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	140	0.06	N.A.	N.A.
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	140	0.06	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	460	0.20	N.A.	N.A.
PRECISION METAL WORKERS	100	0.04	N.A.	N.A.
MACHINISTS	100	0.04	33.63	0.34
PRECISION WORKERS, NEC	180	0.07	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	180	0.07	37.85	2.71
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	380	0.16	N.A.	N.A.
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS, EXCEPT METAL AND PLASTIC	30	0.01	34.02	0.34
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	350	0.15	N.A.	N.A.
OTHER HAND WORKERS, NEC	130	0.05	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	130	0.05	33.32	0.34
MOTOR VEHICLE OPERATORS	1,130	0.48	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	560	0.24	32.83	3.73
DRIVER/SALES WORKERS	450	0.19	30.01	6.10
ALL OTHER MOTOR VEHICLE OPERATORS	120	0.05	N.A.	N.A.
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	220	0.09	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	40	0.01	33.15	0.34
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	18,750	8.32	20.18	9.49
HAND PACKERS AND PACKAGERS	6,700	2.97	33.28	11.86
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	500	0.22	N.A.	N.A.

SIC 541 GROCERY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	212,330	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	9,770	4.58	N.A.	N.A.
ADMINISTRATIVE SERVICES MANAGERS	600	0.28	33.03	7.69
ALL OTHER ADMINISTRATIVE MANAGERS	260	0.12	N.A.	N.A.
FOOD SERVICE AND LODGING MANAGERS	150	0.07	41.16	6.15
ALL OTHER SUPPORT SERVICES MANAGERS	60	0.02	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	8,400	3.95	25.15	75.38
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	2,590	1.17	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	250	0.11	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	250	0.11	N.A.	N.A.
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	40	0.01	12.26	6.15
ALL OTHER MANAGEMENT SUPPORT WORKERS	1,540	0.72	N.A.	N.A.
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	30	0.01	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	30	0.01	32.99	1.54
COMPUTER SCIENTISTS AND RELATED WORKERS	50	0.01	N.A.	N.A.
COMPUTER PROGRAMMERS	20	0.00	33.57	1.54
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	30	0.01	N.A.	N.A.
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	390	0.18	N.A.	N.A.
PHARMACISTS	390	0.18	20.46	18.46
DESIGNERS, EXCEPT INTERIOR DESIGNERS	180	0.08	24.84	7.69
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	110	0.05	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	128,570	60.53	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	9,350	4.40	37.05	58.46
COUNTER AND RENTAL CLERKS	240	0.11	33.44	1.54
STOCK CLERKS, SALES FLOOR	47,210	22.23	13.56	61.54
CASHIERS	66,040	31.10	13.55	95.38
ALL OTHER SALES AND RELATED WORKERS	5,730	2.69	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	23,410	10.96	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	280	0.13	31.11	9.23
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	2,690	1.26	N.A.	N.A.
SECRETARIES	1,020	0.48	47.89	44.62

SIC 541 GROCERY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	40	0.01	12.12	6.15
CORRESPONDENCE CLERKS	30	0.01	33.70	1.54
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	3,310	1.55	46.08	52.31
GENERAL OFFICE CLERKS	11,970	5.63	1.23	24.62
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	160	0.07	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	50	0.02	18.84	6.15
ALL OTHER OFFICE MACHINE OPERATORS	110	0.05	N.A.	N.A.
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	30	0.01	28.43	6.15
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	3,300	1.54	N.A.	N.A.
MARKING CLERKS	50	0.02	33.27	1.54
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	2,500	1.17	30.26	18.46
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	750	0.35	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	580	0.27	N.A.	N.A.
SERVICE OCCUPATIONS	19,720	9.24	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	450	0.21	38.77	7.69
ALL OTHER PROTECTIVE SERVICE WORKERS	200	0.09	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	17,040	8.00	N.A.	N.A.
BAKERS, BREAD AND PASTRY	1,040	0.48	39.54	35.38
BUTCHERS AND MEAT CUTTERS	7,170	3.37	24.77	66.15
FOOD PREPARATION WORKERS	2,450	1.15	28.27	35.38
ALL OTHER FOOD SERVICE WORKERS	6,380	3.00	N.A.	N.A.
HEALTH SERVICE AND RELATED WORKERS	30	0.01	N.A.	N.A.
ALL OTHER HEALTH SERVICE WORKERS	30	0.01	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	1,990	0.93	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	1,990	0.93	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	28,270	13.22	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	220	0.10	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	220	0.10	N.A.	N.A.
MACHINERY MAINTENANCE MECHANICS	30	0.01	32.99	1.54
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	140	0.06	N.A.	N.A.
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	140	0.06	N.A.	N.A.

SIC 541 GROCERY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	420	0.19	N.A.	N.A.
PRECISION METAL WORKERS	100	0.04	N.A.	N.A.
MACHINISTS	100	0.04	33.61	1.54
PRECISION WORKERS, NEC	130	0.06	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	130	0.06	37.76	6.15
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	280	0.12	N.A.	N.A.
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS, EXCEPT METAL AND PLASTIC	30	0.01	34.02	1.54
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	250	0.11	N.A.	N.A.
OTHER HAND WORKERS, NEC	130	0.06	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	130	0.06	33.32	1.54
MOTOR VEHICLE OPERATORS	780	0.35	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	550	0.25	33.69	10.77
ALL OTHER MOTOR VEHICLE OPERATORS	230	0.10	N.A.	N.A.
SERVICE STATION ATTENDANTS	20	0.00	33.15	1.54
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	220	0.10	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	40	0.01	33.15	1.54
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	18,730	8.82	20.20	35.38
HAND PACKERS AND PACKAGERS	6,590	3.10	33.82	30.77
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	440	0.20	N.A.	N.A.

SIC 542 MEAT & FISH MARKETS, INC FREEZER PROV
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	2,330	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	160	6.86	N.A.	N.A.
PURCHASING MANAGERS	60	2.57	28.42	24.14
GENERAL MANAGERS AND TOP EXECUTIVES	100	4.29	19.19	41.38
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	50	2.13	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	40	1.71	26.71	8.62
SALES AND RELATED OCCUPATIONS	780	33.45	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	130	5.57	22.56	36.21
SALESPERSONS, RETAIL	380	16.30	14.67	48.28
STOCK CLERKS, SALES FLOOR	60	2.57	28.27	8.62
CASHIERS	210	9.01	23.01	32.76
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	220	9.41	N.A.	N.A.
SECRETARIES	20	0.85	30.91	12.07
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	80	3.43	17.68	39.66
GENERAL OFFICE CLERKS	70	3.00	38.93	13.79
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	50	2.13	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	30	1.28	40.68	12.07
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	20	0.85	N.A.	N.A.
SERVICE OCCUPATIONS	870	37.31	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	820	35.17	N.A.	N.A.
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	30	1.28	35.33	6.90
BUTCHERS AND MEAT CUTTERS	590	25.32	11.66	70.69
COOKS, SHORT ORDER	50	2.14	46.75	8.62
FOOD PREPARATION WORKERS	90	3.86	34.15	15.52
ALL OTHER FOOD SERVICE WORKERS	60	2.57	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	2.14	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	50	2.14	25.72	22.41
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	250	10.71	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	90	3.86	N.A.	N.A.

SIC 542 MEAT & FISH MARKETS, INC FREEZER PROV
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	90	3.86	37.96	12.07
MOTOR VEHICLE OPERATORS	30	1.28	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	30	1.28	48.31	15.52
HAND PACKERS AND PACKAGERS	80	3.43	45.22	15.52

SIC 546 RETAIL BAKERIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	7,360	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	400	5.43	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	20	0.27	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,570	34.91	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	150	2.03	N.A.	N.A.
SERVICE OCCUPATIONS	3,960	53.80	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	260	3.53	N.A.	N.A.

SIC 549 MISCELLANEOUS FOOD STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	1,500	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	180	11.91	N.A.	N.A.
PURCHASING MANAGERS	20	1.32	39.27	12.73
GENERAL MANAGERS AND TOP EXECUTIVES	160	10.59	8.55	69.09
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	20	1.32	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	20	1.32	30.93	5.45
SALES AND RELATED OCCUPATIONS	1,070	70.84	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	50	3.31	24.79	21.82
SALESPERSONS, RETAIL	710	47.01	7.56	83.64
STOCK CLERKS, SALES FLOOR	60	3.97	28.00	20.00
CASHIERS	250	16.55	9.97	58.18
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	50	3.30	N.A.	N.A.
SECRETARIES	20	1.32	37.97	10.91
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	10	0.66	43.77	10.91
SERVICE OCCUPATIONS	140	9.25	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	130	8.59	N.A.	N.A.
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	30	1.98	45.77	7.27
COOKS, SHORT ORDER	20	1.32	47.96	7.27
FOOD PREPARATION WORKERS	30	1.98	38.15	10.91
ALL OTHER FOOD SERVICE WORKERS	50	3.31	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	10	0.66	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	10	0.66	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	40	2.64	N.A.	N.A.
MOTOR VEHICLE OPERATORS	20	1.32	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	20	1.32	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 55 - AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS

This major group includes retail dealers selling new and used automobiles, boats, recreational vehicles, utility trailers, and motorcycles; those selling new automobile parts and accessories; and gasoline service stations. Automobile repair shops maintained by establishments engaged in the sale of new automobiles are also included.

SIC 551 - MOTOR VEHICLE DEALERS (NEW AND USED)

Establishments primarily engaged in the retail sale of new automobiles or new and used automobiles are included in this category. These establishments frequently maintain repair departments and carry stocks of replacement parts, tires, batteries, and automotive accessories. These establishments also frequently sell pickups and vans at retail.

SIC 552 - MOTOR VEHICLE DEALERS (USED ONLY)

This group includes establishments primarily engaged in the retail sale of used cars only, with no sales of new automobiles. These establishments also frequently sell used pickups and vans at retail.

SIC 553 - AUTO AND HOME SUPPLY STORES

This industry includes establishments primarily engaged in the retail sale of new automobile tires, batteries, and other automobile parts and accessories. Such establishments frequently sell a substantial amount of home appliances, radios and televesion sets.

SIC 554 - GASOLINE SERVICE STATIONS

Included in this industry are gasoline service stations primarily engaged in selling gasoline and lubricating oils, and which may sell other merchandise or perform minor repair work.

SIC 555 - BOAT DEALERS

Establishments primarily engaged in the retail sale of new and used motorboats and other watercraft, marine supplies, and outboard motors.

SIC 556 - RECREATIONAL VEHICLE DEALERS

This industry includes establishments primarily engaged in the retail sale of new and used motor homes, recreational trailers, and campers (pickup coaches).

SIC 557 - MOTORCYCLE DEALERS

Establishments primarily engaged in the retail sale of new and used motorcycles, including motor scooters and mopeds, and all-terrain vehicles.

SIC 559 - AUTOMOTIVE DEALERS, NOT ELSEWHERE CLASSIFIED

This group includes establishments primarily engaged in the retail sale of new and used automotive vehicles, utility trailers, and automotive equipment and supplies, not elsewhere classified, such as snowmobiles, dunebuggies, and gocarts. Also included are establishments primarily engaged in the retail sale of aircraft.

SIC 55 AUTOMOTIVE DEALERS & SERVICE STATIONS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	139,320	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	10,860	7.77	N.A.	N.A.
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	1,880	1.34	21.30	17.57
ALL OTHER ADMINISTRATIVE MANAGERS	350	0.25	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	8,450	6.06	11.49	67.96
ALL OTHER MANAGERS AND ADMINISTRATORS	180	0.12	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	610	0.43	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	560	0.40	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	560	0.40	25.68	-12.40
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	50	0.03	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	56,810	40.75	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	6,790	4.87	9.54	33.33
SALESPERSONS, RETAIL	18,790	13.48	9.14	58.91
SALESPERSONS, PARTS	12,690	9.10	9.08	43.41
CASHIERS	17,970	12.90	7.83	25.32
ALL OTHER SALES AND RELATED WORKERS	570	0.40	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	18,510	13.23	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,940	1.39	20.58	21.45
SECRETARIES	2,560	1.83	15.71	36.69
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	5,340	3.83	13.36	42.89
BILLING, COST AND RATE CLERKS	1,460	1.04	25.62	6.20
GENERAL OFFICE CLERKS	3,510	2.51	19.47	19.38
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	20	0.01	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	20	0.01	N.A.	N.A.
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	280	0.20	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	3,220	2.30	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	820	0.58	32.60	5.43
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	2,400	1.72	22.00	12.40
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	170	0.12	N.A.	N.A.
SERVICE OCCUPATIONS	2,560	1.82	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	300	0.21	N.A.	N.A.

SIC 55 AUTOMOTIVE DEALERS & SERVICE STATIONS
REFERENCE DATE : JUNE 12, 1998

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER FOOD SERVICE WORKERS	300	0.21	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	2,220	1.59	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	2,220	1.59	26.06	15.50
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	49,970	35.75	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	4,400	3.15	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	4,370	3.13	16.15	26.61
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	30	0.02	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	820	0.58	35.49	10.34
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	22,530	16.14	N.A.	N.A.
AUTOMOTIVE MECHANICS	18,820	13.51	5.74	33.59
AUTOMOTIVE BODY AND RELATED REPAIRERS	2,730	1.95	25.21	8.27
MOTORCYCLE REPAIRERS	390	0.27	6.50	11.89
AIRCRAFT MECHANICS	150	0.10	18.81	1.81
SMALL ENGINE SPECIALISTS	440	0.31	12.88	9.56
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	40	0.02	N.A.	N.A.
INSTALLERS AND REPAIRERS- MANUFACTURED BUILDINGS, MOBILE HOMES, AND TRAVEL TRAILERS	320	0.22	10.04	9.56
TIRE REPAIRERS AND CHANGERS	3,670	2.63	21.17	6.98
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	440	0.31	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	20	0.01	N.A.	N.A.
ALL OTHER CARPENTRY AND RELATED WORKERS	20	0.01	N.A.	N.A.
PRECISION METAL WORKERS	380	0.27	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	380	0.27	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	820	0.58	N.A.	N.A.
PAINTERS, TRANSPORTATION EQUIPMENT	820	0.58	43.81	3.88
OTHER HAND WORKERS, NEC	60	0.04	N.A.	N.A.
ASSEMBLERS AND FABRICATORS, EXCEPT MACHINE, ELECTRICAL, ELECTRONIC, AND PRECISION	60	0.04	40.78	1.55
MOTOR VEHICLE OPERATORS	2,320	1.66	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	2,010	1.44	20.53	10.08
ALL OTHER MOTOR VEHICLE OPERATORS	310	0.22	N.A.	N.A.
SERVICE STATION ATTENDANTS	6,220	4.46	20.17	8.27

SIC 55 AUTOMOTIVE DEALERS & SERVICE STATIONS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
HELPERS, MECHANIC AND REPAIRER	3,080	2.21	25.64	14.73
VEHICLE WASHERS AND EQUIPMENT CLEANERS	3,610	2.59	16.85	24.03
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	1,200	0.86	N.A.	N.A.

SIC 551 NEW AND USED CAR DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	63,590	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	4,690	7.36	N.A.	N.A.
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	1,420	2.23	26.00	65.38
ALL OTHER ADMINISTRATIVE MANAGERS	310	0.48	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	2,960	4.65	26.50	88.46
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	280	0.44	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	280	0.44	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	280	0.44	46.54	42.31
SALES AND RELATED OCCUPATIONS	20,500	32.22	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	1,370	2.15	29.98	57.69
SALESPERSONS, RETAIL	12,690	19.96	11.01	100.00
SALESPERSONS, PARTS	4,760	7.48	13.10	96.15
CASHIERS	1,230	1.93	21.23	73.08
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	10,610	16.64	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	820	1.28	30.59	57.69
SECRETARIES	950	1.49	34.20	50.00
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	2,770	4.35	22.98	84.62
BILLING, COST AND RATE CLERKS	1,340	2.10	27.57	46.15
GENERAL OFFICE CLERKS	2,440	3.83	26.17	65.38
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	280	0.44	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,970	3.09	N.A.	N.A.
DISPATCHERS EXCEPT POLICE, FIRE, AND AMBULANCE	740	1.16	35.47	53.85
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,230	1.93	39.70	46.15
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	40	0.06	N.A.	N.A.
SERVICE OCCUPATIONS	1,880	2.95	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	1,880	2.95	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	1,880	2.95	30.16	61.54
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	25,630	40.28	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	3,130	4.92	N.A.	N.A.

SIC 551 NEW AND USED CAR DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	3,130	4.92	20.88	84.62
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	15,100	23.74	N.A.	N.A.
AUTOMOTIVE MECHANICS	12,370	19.45	5.08	100.00
AUTOMOTIVE BODY AND RELATED REPAIRERS	2,520	3.96	26.60	61.54
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	210	0.33	N.A.	N.A.
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	40	0.06	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	280	0.44	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	790	1.24	N.A.	N.A.
PAINTERS, TRANSPORTATION EQUIPMENT	790	1.24	45.53	34.62
MOTOR VEHICLE OPERATORS	830	1.30	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	790	1.24	36.61	42.31
ALL OTHER MOTOR VEHICLE OPERATORS	40	0.06	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	2,330	3.66	32.63	50.00
VEHICLE WASHERS AND EQUIPMENT CLEANERS	2,810	4.42	21.16	73.08
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	320	0.50	N.A.	N.A.

SIC 552 USED CAR DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	4,530	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	670	14.71	N.A.	N.A.
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	50	1.09	37.16	9.57
GENERAL MANAGERS AND TOP EXECUTIVES	620	13.62	9.03	67.02
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	40	0.87	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	40	0.87	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	40	0.87	42.86	6.38
SALES AND RELATED OCCUPATIONS	1,300	28.55	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	220	4.83	17.69	28.72
SALESPERSONS, RETAIL	860	18.90	9.21	71.28
SALESPERSONS, PARTS	160	3.51	43.85	10.64
CASHIERS	60	1.31	27.40	10.64
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	920	20.19	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	90	1.97	26.84	17.02
SECRETARIES	390	8.57	14.21	41.49
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	240	5.27	16.77	32.98
GENERAL OFFICE CLERKS	170	3.73	24.49	20.21
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	30	0.65	N.A.	N.A.
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	30	0.65	N.A.	N.A.
SERVICE OCCUPATIONS	60	1.30	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	20	0.43	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.87	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	40	0.87	45.13	7.45
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,540	33.76	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	40	0.87	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	40	0.87	37.78	10.64
MAINTENANCE REPAIRERS, GENERAL UTILITY	120	2.63	27.01	11.70

SIC 552 USED CAR DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	660	14.48	N.A.	N.A.
AUTOMOTIVE MECHANICS	540	11.86	12.51	48.94
AUTOMOTIVE BODY AND RELATED REPAIRERS	50	1.09	38.83	7.45
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	70	1.53	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	20	0.43	N.A.	N.A.
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	20	0.43	N.A.	N.A.
MOTOR VEHICLE OPERATORS	40	0.87	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	40	0.87	N.A.	N.A.
HELPERS, MECHANIC AND REPAIRER	110	2.41	30.40	10.64
VEHICLE WASHERS AND EQUIPMENT CLEANERS	530	11.64	13.84	46.81
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	20	0.43	N.A.	N.A.

SIC 553 AUTO AND HOME SUPPLY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	31,810	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	3,220	10.12	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	290	0.91	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	2,910	9.15	14.65	60.29
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	190	0.59	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	160	0.50	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	160	0.50	25.42	16.18
ALL OTHER MANAGEMENT SUPPORT WORKERS	20	0.06	0.00	1.47
SALES AND RELATED OCCUPATIONS	13,640	42.89	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	2,230	7.01	13.87	51.47
SALESPERSONS, RETAIL	2,990	9.40	16.77	39.71
SALESPERSONS, PARTS	7,290	22.93	13.26	66.18
CASHIERS	1,100	3.46	23.82	13.24
ALL OTHER SALES AND RELATED WORKERS	30	0.09	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,780	11.87	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	250	0.78	40.58	19.12
SECRETARIES	590	1.85	29.73	27.94
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,380	4.34	19.20	39.71
GENERAL OFFICE CLERKS	440	1.38	37.05	17.65
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,040	3.27	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,030	3.24	18.91	26.47
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	10	0.03	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	80	0.25	N.A.	N.A.
SERVICE OCCUPATIONS	40	0.12	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	30	0.09	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	30	0.09	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	10,940	34.36	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	760	2.38	N.A.	N.A.

SIC 553 AUTO AND HOME SUPPLY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	730	2.29	31.74	19.12
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	30	0.09	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	3,910	12.29	N.A.	N.A.
AUTOMOTIVE MECHANICS	3,890	12.23	18.05	47.06
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	20	0.06	N.A.	N.A.
TIRE REPAIRERS AND CHANGERS	3,140	9.87	22.89	30.88
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	280	0.88	N.A.	N.A.
PRECISION METAL WORKERS	380	1.19	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	380	1.19	N.A.	N.A.
MOTOR VEHICLE OPERATORS	1,050	3.30	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	1,050	3.30	27.60	25.00
SERVICE STATION ATTENDANTS	460	1.44	27.23	5.88
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	960	3.01	N.A.	N.A.

SIC 554 GASOLINE SERVICE STATIONS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	33,750	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,610	4.76	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	40	0.11	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	1,410	4.18	26.89	45.10
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	50	0.14	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	50	0.14	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	50	0.14	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	19,860	58.87	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	2,820	8.36	13.82	39.22
CASHIERS	15,500	45.95	8.76	76.47
ALL OTHER SALES AND RELATED WORKERS	1,540	4.56	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,310	6.80	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	680	2.01	42.86	29.41
SECRETARIES	330	0.97	45.62	19.61
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	670	1.98	26.62	33.33
GENERAL OFFICE CLERKS	360	1.06	47.97	13.73
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	20	0.05	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	20	0.05	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	100	0.29	N.A.	N.A.
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	100	0.29	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	150	0.44	N.A.	N.A.
SERVICE OCCUPATIONS	440	1.30	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	280	0.83	N.A.	N.A.
ALL OTHER FOOD SERVICE WORKERS	280	0.83	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	160	0.47	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	160	0.47	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	9,480	28.07	N.A.	N.A.

SIC 554 GASOLINE SERVICE STATIONS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	220	0.65	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	220	0.65	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	2,110	6.25	N.A.	N.A.
AUTOMOTIVE MECHANICS	1,930	5.72	27.11	33.33
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	180	0.53	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	610	1.80	N.A.	N.A.
MOTOR VEHICLE OPERATORS	380	1.12	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	140	0.41	34.45	9.80
ALL OTHER MOTOR VEHICLE OPERATORS	240	0.71	N.A.	N.A.
SERVICE STATION ATTENDANTS	5,670	16.80	22.00	43.14
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	490	1.45	N.A.	N.A.

SIC 555 BOAT DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	2,220	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	250	11.30	N.A.	N.A.
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	30	1.35	34.88	18.37
GENERAL MANAGERS AND TOP EXECUTIVES	220	9.95	7.36	75.51
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	10	0.45	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	10	0.45	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	10	0.45	45.27	8.16
SALES AND RELATED OCCUPATIONS	550	24.86	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	20	0.90	45.24	14.29
SALESPERSONS, RETAIL	320	14.47	12.89	69.39
SALESPERSONS, PARTS	180	8.14	13.47	61.22
CASHIERS	30	1.35	38.14	16.33
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	320	14.45	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	20	0.90	42.83	14.29
SECRETARIES	150	6.78	16.77	48.98
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	90	4.07	16.36	40.82
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	40	1.80	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	40	1.80	36.02	16.33
SERVICE OCCUPATIONS	70	3.15	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	20	0.90	N.A.	N.A.
ALL OTHER FOOD SERVICE WORKERS	20	0.90	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	1.80	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	40	1.80	30.38	20.41
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,020	46.10	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	100	4.52	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	100	4.52	15.70	36.73
MAINTENANCE REPAIRERS, GENERAL UTILITY	60	2.71	31.05	16.33
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	490	22.16	N.A.	N.A.

SIC 555 BOAT DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SMALL ENGINE SPECIALISTS	390	17.64	12.40	65.31
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	100	4.52	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	20	0.90	N.A.	N.A.
ALL OTHER CARPENTRY AND RELATED WORKERS	20	0.90	N.A.	N.A.
OTHER HAND WORKERS, NEC	60	2.71	N.A.	N.A.
ASSEMBLERS AND FABRICATORS, EXCEPT MACHINE, ELECTRICAL, ELECTRONIC, AND PRECISION	60	2.71	41.27	10.20
HELPERS, MECHANIC AND REPAIRER	150	6.78	20.88	32.65
VEHICLE WASHERS AND EQUIPMENT CLEANERS	70	3.16	27.62	14.29
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	70	3.16	N.A.	N.A.

SIC 556 RECREATION & UTILITY TRAILER DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	1,110	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	140	12.60	N.A.	N.A.
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	40	3.60	23.01	25.58
GENERAL MANAGERS AND TOP EXECUTIVES	100	9.00	10.82	76.74
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	10	0.90	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	10	0.90	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	10	0.90	34.71	13.95
SALES AND RELATED OCCUPATIONS	290	26.11	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	30	2.70	24.35	23.26
SALESPERSONS, RETAIL	180	16.21	7.57	74.42
SALESPERSONS, PARTS	70	6.30	12.63	48.84
CASHIERS	10	0.90	39.62	9.30
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	150	13.50	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	10	0.90	34.60	11.63
SECRETARIES	40	3.60	18.18	32.56
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	60	5.40	14.11	44.19
GENERAL OFFICE CLERKS	20	1.80	30.16	18.60
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	10	0.90	N.A.	N.A.
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	10	0.90	N.A.	N.A.
SERVICE OCCUPATIONS	20	1.80	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	1.80	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	20	1.80	27.66	18.60
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	500	45.02	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	40	3.60	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	40	3.60	16.79	30.23
MAINTENANCE REPAIRERS, GENERAL UTILITY	40	3.60	32.72	16.28
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	60	5.40	N.A.	N.A.

SIC 556 RECREATION & UTILITY TRAILER DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
AUTOMOTIVE MECHANICS	40	3.60	30.36	11.63
AUTOMOTIVE BODY AND RELATED REPAIRERS	20	1.80	36.78	13.95
INSTALLERS AND REPAIRERS- MANUFACTURED BUILDINGS, MOBILE HOMES, AND TRAVEL TRAILERS	280	25.22	9.00	76.74
HELPERS, MECHANIC AND REPAIRER	20	1.80	28.32	16.28
VEHICLE WASHERS AND EQUIPMENT CLEANERS	40	3.60	19.49	37.21

SIC 557 MOTORCYCLE DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	1,320	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	170	12.77	N.A.	N.A.
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	30	2.25	39.19	15.56
GENERAL MANAGERS AND TOP EXECUTIVES	140	10.52	10.33	73.33
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	10	0.75	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	480	36.07	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	70	5.26	25.30	26.67
SALESPERSONS, RETAIL	190	14.28	10.91	64.44
SALESPERSONS, PARTS	200	15.03	10.13	71.11
CASHIERS	10	0.75	47.36	11.11
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	180	13.52	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	10	0.75	37.78	13.33
SECRETARIES	70	5.26	19.80	37.78
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	80	6.01	16.80	46.67
GENERAL OFFICE CLERKS	20	1.50	47.80	11.11
SERVICE OCCUPATIONS	10	0.75	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	470	35.32	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	50	3.75	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	50	3.75	23.31	31.11
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	400	30.07	N.A.	N.A.
MOTORCYCLE REPAIRERS	380	28.57	6.35	95.56
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	20	1.50	N.A.	N.A.

SIC 559 AUTOMOTIVE DEALERS, NEC
REFERENCE DATE . JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	1,020	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	110	10.78	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	20	1.96	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	90	8.82	24.08	90.91
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	30	2.94	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	180	17.64	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	20	1.96	42.10	27.27
SALESPERSONS, RETAIL	90	8.82	36.73	63.64
SALESPERSONS, PARTS	40	3.92	25.96	45.45
CASHIERS	30	2.94	37.64	36.36
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	260	25.48	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	60	5.88	38.27	54.55
SECRETARIES	60	5.88	27.72	54.55
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	60	5.88	21.06	81.82
GENERAL OFFICE CLERKS	40	3.92	24.07	45.45
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	30	2.94	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	30	2.94	17.38	36.36
SERVICE OCCUPATIONS	40	3.92	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	3.92	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	40	3.92	19.66	54.55
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	400	39.20	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	60	5.88	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	60	5.88	19.40	72.73
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	180	17.64	N.A.	N.A.
AIRCRAFT MECHANICS	150	14.70	18.81	63.64
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	30	2.94	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	20	1.96	N.A.	N.A.
SERVICE STATION ATTENDANTS	70	6.86	49.65	27.27

SIC 559 AUTOMOTIVE DEALERS, NEC
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND...............	50	4.90	N.A	N.A.

INDUSTRY CHARACTERISTICS

SIC 56 - APPAREL AND ACCESSORY STORES

This major group includes retail stores primarily engaged in selling new clothing, shoes, hats, underwear, and related articles for personal wear and adornment. Furriers and custom tailors carrying stocks of materials are included in this group.

SIC 561 - MEN'S AND BOYS' CLOTHING AND ACCESSORY STORES

Included in this category are establishments engaged in the retail sale of men's and boys' ready-to-wear clothing and accessories.

SIC 562 - WOMEN'S CLOTHING STORES

Included in this category are establishments primarily engaged in the retail sale of a general line of women's ready-to-wear clothing. Also included are those engaged in the specialized retail sale of women's coats, suits, and dresses.

SIC 563 - WOMEN'S ACCESSORY AND SPECIALTY STORES

Establishments primarily engaged in the retail sale of a general line of women's ready-to-wear clothing and specialized retail sale of women's coats, suits, and dresses.

SIC 564 - CHILDREN'S AND INFANTS' WEAR STORES

Establishments primarily engaged in the retail sale of children's and infants' clothing, furnishings, and accessories.

SIC 565 - FAMILY CLOTHING STORES

This group includes establishments primarily engaged in the retail sale of clothing, furnishings, and accessories for men, women, and children, without specializing in sales for an individual sex or age group.

SIC 566 - SHOE STORES

Establishments primarily engaged in the retail sale of men's, women's, and children's footwear, including athletic footwear. They also frequently carry accessory lines, such as hosiery, gloves, and handbags.

SIC 569 - MISCELLANEOUS APPAREL AND ACCESSORY STORES

This group includes establishments primarily engaged in the retail sale of specialized lines of apparel and accessories, not elsewhere classified, such as uniforms, bathing suits, raincoats, riding and sports apparel, umbrellas, wigs, and toupees. Also includes custom tailors primarily engaged in making and selling men's and women's clothing, except fur apparel.

SIC 56 APPAREL AND ACCESSORY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	81,680	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	5,920	7.21	N.A.	N.A.
FINANCIAL MANAGERS	100	0.12	30.42	6.73
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	90	0.11	34.64	4.24
PURCHASING MANAGERS	720	0.88	20.22	16.46
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	80	0.09	29.92	5.99
ADMINISTRATIVE SERVICES MANAGERS	40	0.04	22.97	2.00
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	20	0.02	23.57	0.75
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	120	0.14	47.60	4.24
GENERAL MANAGERS AND TOP EXECUTIVES	4,640	5.68	9.72	47.38
ALL OTHER MANAGERS AND ADMINISTRATORS	110	0.13	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	2,170	2.62	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	200	0.24	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	200	0.24	30.38	6.48
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	1,210	1.48	20.14	17.46
ALL OTHER MANAGEMENT SUPPORT WORKERS	60	0.07	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	100	0.11	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	40	0.04	26.06	1.75
COMPUTER PROGRAMMERS	60	0.07	39.19	2.99
ARTISTS AND RELATED WORKERS	80	0.09	35.39	2.74
MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	450	0.55	26.20	9.73
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	70	0.08	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	62,980	77.10	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	7,800	9.55	8.45	54.36
SALESPERSONS, RETAIL	48,810	59.77	3.61	94.26
STOCK CLERKS, SALES FLOOR	3,200	3.91	27.63	19.70
CASHIERS	2,770	3.39	18.61	19.95
ALL OTHER SALES AND RELATED WORKERS	400	0.48	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6,520	7.90	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	450	0.55	20.77	10.97
CREDIT AUTHORIZERS	200	0.24	44.63	2.49
CREDIT CHECKERS	80	0.09	43.65	1.50
ADJUSTMENT CLERKS	110	0.13	42.52	2.24

SIC 56 APPAREL AND ACCESSORY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SECRETARIES	470	0.57	31.69	11.47
TYPISTS	20	0.02	28.28	1.00
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,370	1.67	14.14	23.19
GENERAL OFFICE CLERKS	630	0.77	19.25	12.22
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	200	0.24	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	140	0.17	33.69	3.74
ALL OTHER OFFICE MACHINE OPERATORS	60	0.07	N.A.	N.A.
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	30	0.03	N.A.	N.A.
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	20	0.02	29.55	1.75
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,920	2.33	N.A.	N.A.
MARKING CLERKS	470	0.57	28.21	4.99
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	220	0.26	26.91	4.49
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	780	0.95	24.85	10.72
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	450	0.55	44.39	0.50
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	1,020	1.24	N.A.	N.A.
SERVICE OCCUPATIONS	900	1.08	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	60	0.07	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	120	0.14	N.A.	N.A.
ALL OTHER FOOD SERVICE WORKERS	120	0.14	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	700	0.85	N.A.	N.A.
MAIDS AND HOUSEKEEPING CLEANERS	20	0.02	46.29	1.25
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	680	0.83	37.89	8.48
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	3,190	3.85	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	50	0.06	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	50	0.06	24.15	1.25
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	130	0.15	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	1,730	2.11	N.A.	N.A.
CUSTOM TAILORS AND SEWERS	1,710	2.09	23.62	13.47
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	20	0.02	N.A.	N.A.
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	590	0.71	N.A.	N.A.
SEWING MACHINE OPERATORS, GARMENT	550	0.67	41.44	4.74

SIC 56 APPAREL AND ACCESSORY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	40	0.04	43.24	0.75
MOTOR VEHICLE OPERATORS	150	0.17	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	120	0.14	45.49	4.24
ALL OTHER MOTOR VEHICLE OPERATORS	30	0.03	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	100	0.12	35.66	1.75
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	440	0.53	N.A.	N.A.

SIC 561 MEN'S & BOYS' CLOTHING & FURNISHINGS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	4,900	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	450	9.25	N.A.	N.A.
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	20	0.41	45.94	10.81
ALL OTHER ADMINISTRATIVE MANAGERS	60	1.23	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	20	0.41	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	350	7.20	18.11	54.05
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	170	3.48	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	30	0.61	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	30	0.61	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	70	1.44	43.46	18.92
MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	50	1.02	41.13	21.62
SALES AND RELATED OCCUPATIONS	2,920	60.05	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	570	11.72	15.21	62.16
SALESPERSONS, RETAIL	1,960	40.32	8.05	94.59
STOCK CLERKS, SALES FLOOR	120	2.46	34.94	21.62
CASHIERS	270	5.55	17.36	35.14
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	720	14.76	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	110	2.26	31.57	16.22
CREDIT AUTHORIZERS	40	0.82	41.36	5.41
ADJUSTMENT CLERKS	30	0.61	47.18	5.41
BILL AND ACCOUNT COLLECTORS	20	0.41	40.19	5.41
SECRETARIES	20	0.41	48.06	8.11
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	240	4.93	20.43	43.24
PAYROLL AND TIMEKEEPING CLERKS	20	0.41	39.92	5.41
GENERAL OFFICE CLERKS	100	2.05	29.80	24.32
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	30	0.61	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	30	0.61	40.73	5.41
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	60	1.23	N.A.	N.A.
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	40	0.82	37.55	13.51
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	20	0.41	N.A.	N.A.
SERVICE OCCUPATIONS	110	2.26	N.A.	N.A.

SIC 561 MEN'S & BOYS' CLOTHING & FURNISHINGS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	110	2.26	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	110	2.26	29.39	29.73
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	530	10.90	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	420	8.64	N.A.	N.A.
CUSTOM TAILORS AND SEWERS	420	8.64	15.61	51.35
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	90	1.85	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	20	0.41	N.A.	N.A.

SIC 562 WOMEN'S READY-TO-WEAR STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	22,590	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,700	7.49	N.A.	N.A.
FINANCIAL MANAGERS	20	0.08	44.06	6.32
PURCHASING MANAGERS	130	0.57	38.37	11.58
ALL OTHER SUPPORT SERVICES MANAGERS	10	0.04	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	1,500	6.63	14.29	53.68
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	590	2.59	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	50	0.22	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	50	0.22	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	360	1.59	28.01	15.79
MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	160	0.70	39.10	10.53
SALES AND RELATED OCCUPATIONS	18,320	81.03	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	2,730	12.07	13.66	49.47
SALESPERSONS, RETAIL	14,160	62.65	3.22	98.95
STOCK CLERKS, SALES FLOOR	520	2.30	23.67	23.16
CASHIERS	770	3.40	27.54	22.11
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,130	4.95	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	120	0.53	45.89	7.37
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	50	0.22	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	20	0.08	48.09	4.21
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	350	1.54	26.88	16.84
GENERAL OFFICE CLERKS	90	0.39	43.41	7.37
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	380	1.66	N.A.	N.A.
MARKING CLERKS	110	0.48	48.66	6.32
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	200	0.88	32.17	11.58
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	70	0.30	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	120	0.53	N.A.	N.A.
SERVICE OCCUPATIONS	170	0.74	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	160	0.70	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	160	0.70	35.32	8.42

SIC 562 WOMEN'S READY-TO-WEAR STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	680	2.99	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	20	0.08	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	450	1.99	N.A.	N.A.
CUSTOM TAILORS AND SEWERS	450	1.99	25.69	14.74
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	100	0.44	N.A.	N.A.
SEWING MACHINE OPERATORS, GARMENT	100	0.44	45.65	4.21
MOTOR VEHICLE OPERATORS	60	0.26	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	60	0.26	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	50	0.22	N.A.	N.A.

SIC 563 WOMEN'S ACCESSORY AND SPECIALTY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	2,040	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	150	7.35	N.A.	N.A.
PURCHASING MANAGERS	20	0.98	24.97	10.00
GENERAL MANAGERS AND TOP EXECUTIVES	110	5.39	12.37	34.29
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	80	3.92	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	20	0.98	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	20	0.98	26.66	7.14
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	40	1.96	33.48	14.29
SALES AND RELATED OCCUPATIONS	1,210	59.30	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	250	12.25	11.95	68.57
SALESPERSONS, RETAIL	890	43.62	6.77	95.71
STOCK CLERKS, SALES FLOOR	20	0.98	43.11	7.14
CASHIERS	30	1.47	43.41	7.14
ALL OTHER SALES AND RELATED WORKERS	20	0.98	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	420	20.58	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	60	2.94	23.00	12.86
SECRETARIES	20	0.98	21.83	8.57
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	80	3.92	17.72	21.43
GENERAL OFFICE CLERKS	50	2.45	45.27	10.00
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	30	1.47	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	30	1.47	34.06	2.86
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	150	7.35	N.A.	N.A.
MARKING CLERKS	60	2.94	29.76	8.57
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	30	1.47	47.30	4.29
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	60	2.94	27.04	12.86
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	180	8.82	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	70	3.43	N.A.	N.A.
CUSTOM TAILORS AND SEWERS	70	3.43	26.45	14.29
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	40	1.96	N.A.	N.A.
SEWING MACHINE OPERATORS, GARMENT	40	1.96	46.95	5.71

SIC 563   WOMEN'S ACCESSORY AND SPECIALTY STORES
REFERENCE DATE : JUNE 12, 1986

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MOTOR VEHICLE OPERATORS	20	0.98	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	20	0.98	31.77	5.71

SIC 564 CHILDREN'S AND INFANTS' WEAR STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	1,670	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	140	8.42	N.A.	N.A.
PURCHASING MANAGERS	30	1.80	28.65	15.69
GENERAL MANAGERS AND TOP EXECUTIVES	100	6.02	14.02	49.02
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	40	2.40	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	30	1.80	31.15	13.73
SALES AND RELATED OCCUPATIONS	1,360	81.90	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	130	7.83	8.90	29.41
SALESPERSONS, RETAIL	1,160	69.87	2.76	96.08
STOCK CLERKS, SALES FLOOR	40	2.40	28.03	19.61
ALL OTHER SALES AND RELATED WORKERS	30	1.80	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	90	5.41	N.A.	N.A.
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	40	2.40	22.33	25.49
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	50	3.01	N.A.	N.A.
SERVICE OCCUPATIONS	10	0.60	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	30	1.80	N.A.	N.A.

SIC 565 FAMILY CLOTHING STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	31,090	100.00		-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,540	4.91	N.A.	N.A.
FINANCIAL MANAGERS	60	0.19	49.81	30.30
ADMINISTRATIVE SERVICES MANAGERS	30	0.09	27.27	15.15
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	20	0.06	23.57	9.09
ALL OTHER ADMINISTRATIVE MANAGERS	270	0.86	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	80	0.25	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	1,040	3.34	26.16	54.55
ALL OTHER MANAGERS AND ADMINISTRATORS	40	0.12	47.45	9.09
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	930	2.96	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	70	0.22	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	70	0.22	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	440	1.41	46.68	33.33
ALL OTHER MANAGEMENT SUPPORT WORKERS	50	0.16	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	80	0.25	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	30	0.09	27.68	15.15
COMPUTER PROGRAMMERS	50	0.16	47.87	18.18
ARTISTS AND RELATED WORKERS	50	0.16	46.54	15.15
MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	210	0.67	45.65	27.27
SALES AND RELATED OCCUPATIONS	23,000	73.98	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	1,690	5.43	28.89	51.52
SALESPERSONS, RETAIL	18,960	61.00	8.30	93.94
CASHIERS	1,180	3.79	38.14	45.45
ALL OTHER SALES AND RELATED WORKERS	1,170	3.76	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,680	11.76	N.A.	N.A.
CREDIT CHECKERS	70	0.22	49.22	9.09
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	180	0.57	N.A.	N.A.
SECRETARIES	300	0.96	47.39	45.45
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	530	1.70	29.87	36.36
GENERAL OFFICE CLERKS	310	0.99	31.78	39.39
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	130	0.41	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	130	0.41	N.A.	N.A.
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	20	0.06	N.A	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,190	3.80	N.A.	N.A.

SIC 565 FAMILY CLOTHING STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MARKING CLERKS	270	0.86	43.35	12.12
ORDER FILLERS, WHOLESALE AND RETAIL SALES	410	1.31	43.58	6.06
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	450	1.44	40.29	30.30
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	60	0.19	48.73	3.03
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	950	3.05	N.A.	N.A.
SERVICE OCCUPATIONS	610	1.94	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	60	0.19	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	120	0.38	N.A.	N.A.
ALL OTHER FOOD SERVICE WORKERS	120	0.38	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	410	1.31	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	410	1.31	N.A.	N.A.
ALL OTHER SERVICE WORKERS	20	0.06	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,330	4.26	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	50	0.16	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	50	0.16	25.08	12.12
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	100	0.32	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	630	2.02	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	630	2.02	N.A.	N.A.
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	100	0.32	N.A.	N.A.
MOTOR VEHICLE OPERATORS	60	0.19	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	60	0.19	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	380	1.22	N.A.	N.A.

SIC 566 SHOE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	13,630	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,300	9.54	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	90	0.66	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	1,200	8.81	22.81	45.65
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	230	1.67	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	10	0.07	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	10	0.07	42.95	8.70
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	200	1.46	40.98	23.91
SALES AND RELATED OCCUPATIONS	11,890	87.27	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	1,910	14.02	10.76	73.91
SALESPERSONS, RETAIL	8,530	62.62	6.98	89.13
STOCK CLERKS, SALES FLOOR	1,250	9.17	44.65	23.91
ALL OTHER SALES AND RELATED WORKERS	200	1.46	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	190	1.39	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	190	1.39	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	20	0.14	N.A.	N.A.

SIC 569 MISCELLANEOUS APPAREL & ACCESSORIES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	5,800	100.00		-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	630	10.85	N.A.	N.A.
PURCHASING MANAGERS	250	4.31	21.58	26.09
GENERAL MANAGERS AND TOP EXECUTIVES	320	5.51	17.80	44.93
ALL OTHER MANAGERS AND ADMINISTRATORS	60	1.03	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	150	2.57	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	20	0.34	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	20	0.34	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	90	1.55	35.81	13.04
MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	10	0.17	29.95	8.70
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	30	0.51	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	4,270	73.60	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	520	8.96	14.77	49.28
SALESPERSONS, RETAIL	3,150	54.31	6.14	88.41
STOCK CLERKS, SALES FLOOR	150	2.58	28.07	18.84
CASHIERS	310	5.34	20.52	26.09
ALL OTHER SALES AND RELATED WORKERS	140	2.41	30.61	5.80
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	300	5.15	N.A.	N.A.
SECRETARIES	50	0.86	40.80	15.94
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	110	1.89	28.77	24.64
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	80	1.37	N.A.	N.A.
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	80	1.37	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	60	1.03	N.A.	N.A.
SERVICE OCCUPATIONS	20	0.34	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	430	7.40	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	150	2.58	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	150	2.58	N.A.	N.A.
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	230	3.96	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	50	0.86	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 57 - HOME FURNITURE, FURNISHINGS, AND EQUIPMENT STORES

This major group includes retail stores selling goods used for furnishing the home, such as furniture, floor coverings, draperies, glass and chinaware, domestic stoves, refrigerators, and other household electrical and gas appliances. Establishments selling electrical and gas appliances are included in this group only if the major part of their sales consists of articles for home use.

SIC 571 - HOME FURNITURE AND FURNISHINGS STORES

This group includes establishments primarily engaged in the retail sale of household furniture. Also included are stores which sell floor coverings and related products; draperies, curtains, and upholstery; and miscellaneous home furnishings.

SIC 572 - HOUSEHOLD APPLIANCE STORES

Establishments primarily engaged in the retail sale of electric and gas refrigerators, stoves, and other household appliances, such as electric irons, percolators, hot plates, and vacuum cleaners.

SIC 573 - RADIO, TELEVISION, CONSUMER ELECTRONICS, AND MUSIC STORES

Establishments primarily engaged in the retail sale of radios, television sets, record players, stereo equipment, and sound reproducing equipment are in this industry. Such establishments may also sell additional lines, such as household appliances; computers, computer peripheral equipment, and software; musical instruments; or records and prerecorded tapes. They may also perform incidental installation and repair work on radios, television sets, and other consumer electronic equipment.

SIC 57 FURNITURE AND HOME FURNISHINGS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	45,400	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	5,100	11.19	N.A.	N.A.
FINANCIAL MANAGERS	80	0.17	22.49	12.95
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	60	0.13	31.29	10.07
PURCHASING MANAGERS	480	1.05	32.30	18.71
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	160	0.35	13.92	12.23
ADMINISTRATIVE SERVICES MANAGERS	50	0.11	44.02	3.60
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	20	0.04	0.00	0.72
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	100	0.22	41.38	10.79
GENERAL MANAGERS AND TOP EXECUTIVES	4,110	9.04	8.43	74.10
ALL OTHER MANAGERS AND ADMINISTRATORS	40	0.08	8.22	3.60
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	1,920	4.16	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	280	0.61	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	280	0.61	39.59	13.67
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	240	0.52	28.30	14.39
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	40	0.08	0.00	0.72
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	30	0.06	19.64	4.32
ALL OTHER MANAGEMENT SUPPORT WORKERS	110	0.24	N.A.	N.A.
ENGINEERS	30	0.06	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERS	30	0.06	22.88	1.44
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	40	0.08	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	40	0.08	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	220	0.48	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	170	0.37	5.52	5.76
COMPUTER PROGRAMMERS	50	0.11	21.83	5.76
WRITERS AND EDITORS	40	0.08	1.85	4.32
ARTISTS AND RELATED WORKERS	30	0.06	7.06	5.04
INTERIOR DESIGNERS	460	1.01	45.59	7.19
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	400	0.88	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	20,060	44.12	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	1,760	3.87	12.84	42.45
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,010	2.22	22.05	11.51
SALESPERSONS, RETAIL	12,690	27.93	7.21	84.17

SIC 57 FURNITURE AND HOME FURNISHINGS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SALESPERSONS, PARTS	10	0.02	23.72	1.44
COUNTER AND RENTAL CLERKS	50	0.11	11.60	4.32
STOCK CLERKS, SALES FLOOR	2,460	5.41	21.75	27.34
CASHIERS	1,630	3.58	20.62	25.18
NEWS AND STREET VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR SALES WORKERS, AND OTHER RELATED WORKERS	70	0.15	44.40	2.88
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	7,900	17.27	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	620	1.36	16.81	25.90
CREDIT AUTHORIZERS	80	0.17	19.90	7.19
CREDIT CHECKERS	60	0.13	20.36	3.60
ADJUSTMENT CLERKS	140	0.30	9.06	7.19
BILL AND ACCOUNT COLLECTORS	570	1.25	25.06	21.58
SECRETARIES	870	1.91	17.30	28.06
RECEPTIONISTS AND INFORMATION CLERKS	320	0.70	40.01	11.51
TYPISTS	20	0.04	6.04	2.88
TYPISTS, WORD PROCESSING EQUIPMENT	10	0.02	28.13	2.16
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	40	0.08	13.95	5.04
FILE CLERKS	40	0.08	19.09	5.04
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	90	0.19	22.07	4.32
PROCUREMENT CLERKS	50	0.11	14.38	2.88
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,450	3.19	13.28	38.85
PAYROLL AND TIMEKEEPING CLERKS	80	0.17	20.12	10.79
BILLING, COST AND RATE CLERKS	50	0.11	13.41	2.16
GENERAL OFFICE CLERKS	1,190	2.61	18.46	30.22
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	340	0.74	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	110	0.24	7.05	5.76
DATA ENTRY KEYERS, EXCEPT COMPOSING	220	0.48	31.89	10.07
ALL OTHER OFFICE MACHINE OPERATORS	10	0.02	0.00	0.72
SWITCHBOARD OPERATORS	60	0.13	21.77	10.79
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	40	0.08	10.09	4.32
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	1,690	3.71	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	60	0.13	36.79	5.04
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	500	1.10	38.32	13.67
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	820	1.80	21.06	24.46
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	310	0.68	N.A	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	90	0.19	0.00	0.72

SIC 57 FURNITURE AND HOME FURNISHINGS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SERVICE OCCUPATIONS	660	1.44	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	60	0.13	43.68	2.88
DETECTIVES AND INVESTIGATORS, EXCEPT PUBLIC	20	0.04	43.28	2.88
GUARDS AND WATCH GUARDS	150	0.33	5.79	4.32
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	20	0.04	N.A.	N.A.
COMBINED FOOD PREPARATION AND SERVICE WORKERS	20	0.04	20.09	0.72
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	410	0.90	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	350	0.77	26.02	17.27
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	60	0.13	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	9,130	19.99	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	260	0.56	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	130	0.28	30.16	12.95
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	20	0.04	26.38	4.32
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	110	0.24	37.75	9.35
PRODUCTION INSPECTORS, TESTERS, GRADERS, SORTERS, SAMPLERS, AND WEIGHERS	60	0.13	0.00	0.72
MAINTENANCE REPAIRERS, GENERAL UTILITY	480	1.05	38.36	10.79
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	10	0.02	N.A.	N.A.
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	10	0.02	N.A.	N.A.
DATA PROCESSING EQUIPMENT REPAIRERS	600	1.32	45.92	7.19
ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	600	1.32	24.44	15.83
ELECTRIC HOME APPLIANCE AND POWER TOOL REPAIRERS	410	0.90	21.21	17.99
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	190	0.41	N.A.	N.A.
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	190	0.41	49.89	2.16
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	350	0.77	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	630	1.38	N.A.	N.A.
ALL OTHER SELECTED FLOOR RELATED WORKERS, EXCEPT CARPENTERS	630	1.38	N.A.	N.A.
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS, EXCEPT HELPERS	100	0.22	N.A.	N.A.
PRECISION WOODWORKERS	210	0.45	N.A.	N.A.

SIC 57 FURNITURE AND HOME FURNISHINGS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FURNITURE FINISHERS	180	0.39	33.17	7.19
ALL OTHER PRECISION WOODWORKERS	30	0.06	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	70	0.15	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	70	0.15	N.A.	N.A.
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	480	1.05	N.A.	N.A.
OTHER HAND WORKERS, NEC	470	1.03	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	470	1.03	N.A.	N.A.
MOTOR VEHICLE OPERATORS	2,690	5.91	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	2,340	5.15	19.11	35.97
DRIVER/SALES WORKERS	20	0.04	32.84	0.72
ALL OTHER MOTOR VEHICLE OPERATORS	330	0.72	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	130	0.28	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	130	0.28	16.14	6.47
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	930	2.04	26.72	12.95
HAND PACKERS AND PACKAGERS	20	0.04	0.00	0.72
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	880	1.93	N.A.	N.A.

SIC 571 FURNITURE AND HOME FURNISHINGS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	24,110	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,520	10.44	N.A.	N.A.
PURCHASING MANAGERS	300	1.24	43.57	17.19
ALL OTHER ADMINISTRATIVE MANAGERS	90	0.37	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	20	0.08	29.27	9.38
GENERAL MANAGERS AND TOP EXECUTIVES	2,110	8.75	11.50	70.31
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	1,040	4.29	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	80	0.33	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	80	0.33	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	140	0.58	43.73	17.19
ALL OTHER MANAGEMENT SUPPORT WORKERS	30	0.12	91.65	3.13
COMPUTER SCIENTISTS AND RELATED WORKERS	30	0.12	N.A.	N.A.
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	30	0.12	N.A.	N.A.
ARTISTS AND RELATED WORKERS	10	0.04	18.45	7.81
INTERIOR DESIGNERS	460	1.90	45.59	15.63
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	290	1.20	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	10,090	41.84	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	790	3.27	22.39	39.06
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	500	2.07	37.47	9.38
SALESPERSONS, RETAIL	5,840	24.23	11.11	76.56
STOCK CLERKS, SALES FLOOR	1,940	8.04	23.70	31.25
CASHIERS	950	3.94	30.09	26.56
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,870	16.00	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	280	1.16	36.17	18.75
CREDIT AUTHORIZERS	50	0.20	31.09	4.69
ADJUSTMENT CLERKS	30	0.12	37.59	7.81
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	20	0.08	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	450	1.86	30.93	26.56
SECRETARIES	410	1.70	24.25	23.44
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	630	2.61	20.89	35.94
PAYROLL AND TIMEKEEPING CLERKS	20	0.08	23.25	12.50

SIC 571 FURNITURE AND HOME FURNISHINGS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL OFFICE CLERKS	710	2.94	27.00	34.38
SWITCHBOARD OPERATORS	20	0.08	44.01	9.38
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	930	3.85	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	20	0.08	49.93	4.69
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	410	1.70	32.84	21.88
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	500	2.07	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	320	1.32	N.A.	N.A.
SERVICE OCCUPATIONS	340	1.39	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	10	0.04	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	20	0.08	N.A.	N.A.
COMBINED FOOD PREPARATION AND SERVICE WORKERS	20	0.08	20.09	1.56
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	280	1.15	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	220	0.91	38.65	17.19
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	60	0.24	N.A.	N.A.
ALL OTHER SERVICE WORKERS	30	0.12	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	5,620	23.25	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	120	0.49	N.A.	N.A.
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	120	0.49	N.A.	N.A.
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	110	0.45	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	450	1.86	N.A.	N.A.
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	630	2.61	N.A.	N.A.
ALL OTHER SELECTED FLOOR RELATED WORKERS, EXCEPT CARPENTERS	630	2.61	N.A.	N.A.
PRECISION WOODWORKERS	210	0.86	N.A.	N.A.
FURNITURE FINISHERS	180	0.74	33.17	15.63
ALL OTHER PRECISION WOODWORKERS	30	0.12	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	70	0.29	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	70	0.29	N.A.	N.A.
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	480	1.99	N.A.	N.A.
OTHER HAND WORKERS, NEC	460	1.90	N.A.	N.A.

SIC 571 FURNITURE AND HOME FURNISHINGS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER HAND WORKERS, NEC	460	1.90	N.A.	N.A.
MOTOR VEHICLE OPERATORS	2,110	8.75	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	1,830	7.59	22.23	39.06
ALL OTHER MOTOR VEHICLE OPERATORS	280	1.16	N.A.	N.A.
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	50	0.20	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	720	2.98	34.33	18.75
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	840	3.48	N.A.	N.A.

SIC 572 HOUSEHOLD APPLIANCE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	4,520	100.00		-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	430	9.39	N.A.	N.A.
PURCHASING MANAGERS	60	1.31	43.08	20.93
GENERAL MANAGERS AND TOP EXECUTIVES	350	7.65	13.68	72.09
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	70	1.51	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	40	0.87	49.23	11.63
COMPUTER SCIENTISTS AND RELATED WORKERS	10	0.21	N.A.	N.A.
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	10	0.21	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	2,200	48.10	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	250	5.47	15.34	37.21
SALESPERSONS, RETAIL	1,160	25.38	8.82	90.70
SALESPERSONS, PARTS	10	0.21	23.72	4.65
COUNTER AND RENTAL CLERKS	50	1.09	11.60	13.95
STOCK CLERKS, SALES FLOOR	100	2.18	24.28	23.26
CASHIERS	180	3.93	19.00	27.91
ALL OTHER SALES AND RELATED WORKERS	450	9.84	36.04	2.33
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	710	15.50	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	80	1.75	26.55	30.23
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	50	1.09	N.A.	N.A.
BILL AND ACCOUNT COLLECTORS	60	1.31	28.50	16.28
SECRETARIES	70	1.53	37.25	23.26
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	180	3.93	19.56	41.86
GENERAL OFFICE CLERKS	130	2.84	28.70	27.91
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	60	1.30	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	20	0.43	20.83	9.30
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	40	0.87	46.87	16.28
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	80	1.75	N.A.	N.A.
SERVICE OCCUPATIONS	90	1.96	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	80	1.75	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	80	1.75	41.98	20.93

SIC 572 HOUSEHOLD APPLIANCE STORES
REFERENCE DATE: JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS 1/	1,020	22.26	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	20	0.43	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	20	0.43	14.52	11.63
MAINTENANCE REPAIRERS, GENERAL UTILITY	150	3.28	34.32	16.28
ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	170	3.71	20.08	30.23
ELECTRIC HOME APPLIANCE AND POWER TOOL REPAIRERS	370	8.09	21.14	53.49
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	60	1.31	42.69	4.65
MOTOR VEHICLE OPERATORS	120	2.61	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	80	1.75	34.75	25.58
DRIVER/SALES WORKERS	20	0.43	32.84	2.33
ALL OTHER MOTOR VEHICLE OPERATORS	20	0.43	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	30	0.65	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	30	0.65	16.81	6.98
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	40	0.87	39.88	6.98
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	60	1.31	N.A.	N.A.

SIC 573 RADIO, TELEVISION, & COMPUTER STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	16,710	100.00		-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,150	12.77	N.A.	N.A.
FINANCIAL MANAGERS	50	0.29	11.29	18.75
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	40	0.23	11.94	25.00
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	120	0.71	10.39	18.75
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	20	0.11	0.00	3.13
ALL OTHER ADMINISTRATIVE MANAGERS	150	0.89	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	70	0.41	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	1,660	9.90	14.66	84.38
ALL OTHER MANAGERS AND ADMINISTRATORS	40	0.23	8.22	15.63
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	800	4.69	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	180	1.07	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	180	1.07	N.A.	N.A.
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	40	0.23	0.00	3.13
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	30	0.17	20.27	15.63
ALL OTHER MANAGEMENT SUPPORT WORKERS	140	0.83	0.85	9.38
ENGINEERS	30	0.17	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERS	30	0.17	22.88	6.25
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	40	0.23	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	40	0.23	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	190	1.12	N.A.	N.A.
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	160	0.95	5.69	15.63
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	30	0.17	N.A.	N.A.
WRITERS AND EDITORS	30	0.17	0.00	3.13
DESIGNERS, EXCEPT INTERIOR DESIGNERS	20	0.11	0.00	3.13
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	100	0.59	36.18	6.25
SALES AND RELATED OCCUPATIONS	7,760	46.28	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	720	4.29	18.85	56.25
SALESPERSONS, RETAIL	5,680	33.89	11.20	90.63
CASHIERS	500	2.98	35.05	18.75
NEWS AND STREET VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR SALES WORKERS, AND OTHER RELATED WORKERS	30	0.17	0.00	6.25
ALL OTHER SALES AND RELATED WORKERS	830	4.95	N.A.	N.A.

SIC 573 RADIO, TELEVISION, & COMPUTER STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,320	19.65	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	260	1.55	8.04	34.38
CREDIT CHECKERS	40	0.23	15.97	6.25
ADJUSTMENT CLERKS	100	0.59	7.15	9.38
BILL AND ACCOUNT COLLECTORS	60	0.35	48.25	18.75
SECRETARIES	380	2.26	28.38	43.75
TYPISTS	10	0.05	0.00	6.25
FILE CLERKS	20	0.11	13.73	9.38
PROCUREMENT CLERKS	50	0.29	14.67	9.38
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	640	3.81	21.19	40.63
PAYROLL AND TIMEKEEPING CLERKS	60	0.35	26.10	9.38
BILLING, COST AND RATE CLERKS	40	0.23	0.00	3.13
GENERAL OFFICE CLERKS	350	2.08	28.47	25.00
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	270	1.60	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	100	0.59	7.35	15.63
DATA ENTRY KEYERS, EXCEPT COMPOSING	170	1.01	38.22	25.00
SWITCHBOARD OPERATORS	30	0.17	26.34	15.63
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	40	0.23	9.81	9.38
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	680	4.02	N.A.	N.A.
DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	10	0.05	0.00	3.13
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	20	0.11	0.00	3.13
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	130	0.77	22.78	18.75
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	370	2.20	28.73	40.63
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	150	0.89	9.19	3.13
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	290	1.73	N.A.	N.A.
SERVICE OCCUPATIONS	230	1.34	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	20	0.11	0.00	3.13
DETECTIVES AND INVESTIGATORS, EXCEPT PUBLIC	20	0.11	48.55	9.38
GUARDS AND WATCH GUARDS	140	0.83	5.59	15.63
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.29	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	50	0.29	6.35	12.50
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	2,450	14.50	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	90	0.51	N.A.	N.A.

SIC 573 RADIO, TELEVISION, & COMPUTER STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	50	0.29	34.58	28.13
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-TRANSPORTATION AND MATERIAL MOVING MACHINE AND VEHICLE OCCUPATIONS	10	0.05	49.35	9.38
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	30	0.17	21.93	12.50
PRODUCTION INSPECTORS, TESTERS, GRADERS, SORTERS, SAMPLERS, AND WEIGHERS	60	0.35	0.00	3.13
MAINTENANCE REPAIRERS, GENERAL UTILITY	20	0.11	0.00	3.13
DATA PROCESSING EQUIPMENT REPAIRERS	590	3.52	46.38	28.13
ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	360	2.14	34.48	18.75
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	190	1.13	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	330	1.96	N.A.	N.A.
MOTOR VEHICLE OPERATORS	460	2.73	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	30	0.17	47.09	9.38
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	430	2.56	42.65	43.75
MATERIAL MOVING EQUIPMENT OPERATORS	50	0.29	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	50	0.29	32.37	12.50
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	160	0.95	1.83	9.38
HAND PACKERS AND PACKAGERS	20	0.11	0.00	3.13
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	30	0.17	45.39	6.25
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	90	0.53	N.A.	N.A.

INDUSTRY CHARACTERISTICS

SIC 581 - EATING AND DRINKING PLACES

This major group includes retail establishments selling prepared foods and drinks for consumption on the premises; and lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption.

SIC 581 EATING AND DRINKING PLACES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	414,690	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	25,430	6.11	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	730	0.17	N.A.	N.A.
FOOD SERVICE AND LODGING MANAGERS	13,140	3.16	21.59	59.64
GENERAL MANAGERS AND TOP EXECUTIVES	11,510	2.77	22.46	68.67
ALL OTHER MANAGERS AND ADMINISTRATORS	50	0.01	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	880	0.20	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	800	0.19	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	800	0.19	N.A.	N.A.
ALL OTHER MANAGEMENT SUPPORT WORKERS	60	0.01	N.A	N.A.
SALES AND RELATED OCCUPATIONS	31,200	7.51	N.A.	N.A.
CASHIERS	26,980	6.50	30.67	30.12
ALL OTHER SALES AND RELATED WORKERS	4,220	1.01	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	9,980	2.38	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,090	0.50	48.95	30.12
SECRETARIES	730	0.17	39.71	40.96
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	3,290	0.79	33.27	50.60
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	200	0.04	N.A.	N.A.
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	200	0.04	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	3,670	0.88	N.A.	N.A.
SERVICE OCCUPATIONS	339,510	81.79	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	15,680	3.78	18.22	57.23
ALL OTHER PROTECTIVE SERVICE WORKERS	140	0.03	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	319,460	76.98	N.A.	N.A.
HOSTS AND HOSTESSES, RESTAURANT, LOUNGE OR COFFEE SHOP	9,870	2.37	29.00	27.71
BARTENDERS	8,410	2.02	33.37	27.11
WAITERS AND WAITRESSES	84,990	20.49	10.48	42.17
DINING ROOM AND CAFETERIA ATTENDANTS, AND BARTENDER HELPERS	13,420	3.23	36.83	26.51
COOKS, RESTAURANT	29,430	7.09	20.89	31.93
COOKS, SPECIALTY FAST FOOD	37,020	8.92	23.91	30.72
COOKS, SHORT ORDER	7,140	1.72	49.35	8.43
FOOD PREPARATION WORKERS	45,630	11.00	19.49	47.59
COMBINED FOOD PREPARATION AND SERVICE WORKERS	68,070	16.41	2.52	51.81

SIC 581 EATING AND DRINKING PLACES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER FOOD SERVICE WORKERS	15,480	3.73	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	4,200	1.00	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	3,050	0.73	37.04	22.89
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	1,150	0.27	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	7,690	1.84	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	1,340	0.32	N.A.	N.A.
MOTOR VEHICLE OPERATORS	6,280	1.51	N.A.	N.A.
ALL OTHER MOTOR VEHICLE OPERATORS	6,280	1.51	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	60	0.01	N.A	N.A.

INDUSTRY CHARACTERISTICS

SIC 59 - MISCELLANEOUS RETAIL

This major group includes retail establishments, not elsewhere classified. These establishments fall into the following categories: drug stores, liquor stores, used merchandise stores, nonstore retailers, fuel dealers, miscellaneous shopping stores, florists, cigar stores and stands, and miscellaneous retail stores, not elsewhere classified.

SIC 591 - DRUG STORES AND PROPRIETARY STORES

Included in this industry are establishments engaged in the retail sale of prescription drugs, proprietary drugs, and nonprescription medicines, and which may also carry a number of related lines, such as cosmetics, toiletries, tobacco, and novelty merchandise. These stores are included on the basis of their usual trade designation rather than on the stricter interpretation of commodities handled.

SIC 592 - LIQUOR STORES

Establishments primarily engaged in the retail sale of packaged alcoholic beverages, such as ale, beer, wine, and liquor, for consumption off the premises.

SIC 593 - USED MERCHANDISE STORES

This industry includes stores primarily engaged in the retail sale of used merchandise, antiques, and secondhand goods, such as clothing and shoes; furniture; books and rare manuscripts; musical instruments; office furniture; phonographs and phonograph records; and store fixtures and equipment. Also included are pawnshops.

SIC 594 - MISCELLANEOUS SHOPPING GOODS STORES

Establishments engaged in the retail sale of sporting goods, sporting equipment, and bicycles, bicycle parts, and accessories are in this industry. Also included are book stores; stationery stores; jewelry stores; hobby, toy, and game shops; camera and photographic supply stores; gift, novelty, and souvenir shops; luggage and leather goods stores; and sewing, needlework, and piece goods stores.

SIC 596 - NONSTORE RETAILERS

Establishments engaged in the retail sale of products by television, catalog, and mail order are in this group. Also included are automatic merchandising units, also referred to as vending machines. Establishments engaged in the retail sale of merchandise by telephone or house to house canvass are also included in this group. Included in this industry are individuals who sell products by these methods and who are not employees of the organization which they represent, and establishments which are retail sales offices from which employees operate to sell merchandise from door-to-door.

SIC 598 - FUEL DEALERS

This group includes establishments primarily engaged in the retail sale of fuel oil; bottled or bulk liquefied petroleum (LP) gas; and coal, wood, or other fuels, not elsewhere classified.

SIC 599 - RETAIL STORES, NOT ELSEWHERE CLASSIFIED

Included in this category are retail florists; tobacco stores and stands; news dealers and newsstands; optical goods stores; and miscellaneous retail stores.

SIC 59   MISCELLANEOUS RETAIL
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	132,850	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	15,300	11.47	N.A.	N.A.
FINANCIAL MANAGERS	170	0.12	20.44	8.25
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	80	0.06	27.36	5.03
PURCHASING MANAGERS	1,660	1.24	17.49	13.68
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	240	0.18	23.45	7.65
ADMINISTRATIVE SERVICES MANAGERS	260	0.19	7.07	3.22
ALL OTHER ADMINISTRATIVE MANAGERS	40	0.03	N.A.	N.A.
COMMUNICATIONS, TRANSPORTATION, AND UTILITIES OPERATIONS MANAGERS	200	0.15	35.87	4.83
ALL OTHER SUPPORT SERVICES MANAGERS	20	0.01	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	12,460	9.37	5.26	63.98
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	14,720	11.02	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	640	0.47	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	580	0.43	25.11	9.46
ALL OTHER FINANCIAL SPECIALISTS	60	0.04	N.A.	N.A.
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	1,090	0.82	19.60	10.06
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	80	0.06	29.99	2.41
ALL OTHER MANAGEMENT SUPPORT WORKERS	70	0.05	N.A.	N.A.
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	60	0.04	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	270	0.19	N.A.	N.A.
COMPUTER PROGRAMMERS	120	0.09	29.05	2.62
COMPUTER PROGRAMMER AIDES	50	0.03	38.95	1.21
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	100	0.07	N.A.	N.A.
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	8,970	6.74	N.A.	N.A.
OPTICIANS, DISPENSING AND MEASURING	3,130	2.35	25.06	4.23
PHARMACISTS	5,320	4.00	17.20	6.24
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	520	0.39	28.95	1.21
WRITERS AND EDITORS	30	0.02	47.47	1.21
ARTISTS AND RELATED WORKERS	60	0.04	37.68	2.01
DESIGNERS, EXCEPT INTERIOR DESIGNERS	3,210	2.41	18.21	8.25
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	240	0.18	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	68,830	51.78	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	7,360	5.54	10.49	36.02

SIC 59 MISCELLANEOUS RETAIL
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	2,840	2.13	29.41	8.65
SALESPERSONS, RETAIL	40,550	30.52	5.45	61.17
STOCK CLERKS, SALES FLOOR	3,750	2.82	20.75	19.72
CASHIERS	12,870	9.68	5.92	20.72
NEWS AND STREET VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR SALES WORKERS, AND OTHER RELATED WORKERS	600	0.45	34.99	2.82
ALL OTHER SALES AND RELATED WORKERS	860	0.64	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	18,060	13.51	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	950	0.71	19.07	9.46
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	470	0.35	N.A.	N.A.
SECRETARIES	2,050	1.54	16.57	19.92
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	30	0.02	37.43	2.01
FILE CLERKS	60	0.04	43.83	2.01
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	1,540	1.15	37.86	6.84
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	4,840	3.64	10.22	33.80
PAYROLL AND TIMEKEEPING CLERKS	110	0.08	33.44	5.03
BILLING, COST AND RATE CLERKS	100	0.07	47.59	2.21
GENERAL OFFICE CLERKS	2,950	2.22	16.63	20.93
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	480	0.35	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	130	0.09	22.05	3.82
DATA ENTRY KEYERS, EXCEPT COMPOSING	200	0.15	26.57	5.03
ALL OTHER OFFICE MACHINE OPERATORS	150	0.11	N.A.	N.A.
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	110	0.08	N.A.	N.A.
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	160	0.12	23.80	2.62
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	3,650	2.72	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,370	1.03	24.21	10.46
ORDER FILLERS, WHOLESALE AND RETAIL SALES	890	0.66	29.44	6.04
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	1,180	0.88	20.09	9.26
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	210	0.15	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	560	0.42	N.A.	N.A.
SERVICE OCCUPATIONS	3,180	2.34	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	60	0.04	41.19	2.01
DETECTIVES AND INVESTIGATORS, EXCEPT PUBLIC	30	0.02	23.30	0.60
GUARDS AND WATCH GUARDS	30	0.02	20.03	1.01

SIC 59 MISCELLANEOUS RETAIL
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	980	0.72	N.A.	N.A.
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	470	0.35	36.45	1.61
FOOD PREPARATION WORKERS	250	0.18	32.80	2.01
COMBINED FOOD PREPARATION AND SERVICE WORKERS	40	0.03	48.67	0.80
ALL OTHER FOOD SERVICE WORKERS	220	0.16	N.A.	N.A.
HEALTH SERVICE AND RELATED WORKERS	860	0.64	N.A.	N.A.
PHARMACY ASSISTANTS	860	0.64	33.21	2.01
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	290	0.21	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	290	0.21	36.30	6.44
HAIRDRESSERS, HAIRSTYLISTS, AND COSMETOLOGISTS	910	0.68	21.07	1.01
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	220	0.16	N.A.	N.A.
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	220	0.16	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	12,540	9.35	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	180	0.12	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	40	0.03	28.12	2.01
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	90	0.06	46.88	1.61
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	50	0.03	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	480	0.36	26.88	7.85
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	110	0.08	N.A.	N.A.
AUTOMOTIVE MECHANICS	70	0.05	37.24	2.62
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	40	0.03	N.A.	N.A.
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	110	0.08	N.A.	N.A.
GAS APPLIANCE REPAIRERS	250	0.18	18.61	5.03
COIN AND VENDING MACHINE SERVICERS AND REPAIRERS	240	0.18	28.96	2.62
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	1,300	0.97	N.A.	N.A.
PRECISION METAL WORKERS	970	0.73	N.A.	N.A.
JEWELERS AND SILVERSMITHS	970	0.73	31.96	3.22
PRECISION WOODWORKERS	30	0.02	N.A.	N.A.
ALL OTHER PRECISION WOODWORKERS	30	0.02	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	20	0.01	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	20	0.01	N.A.	N.A.
PRECISION WORKERS, NEC	590	0.44	N.A.	N.A.

SIC 59 MISCELLANEOUS RETAIL
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER PRECISION WORKERS, NEC	590	0.44	49.82	1.21
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	20	0.01	N.A.	N.A.
OTHER HAND WORKERS, NEC	730	0.54	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	730	0.54	N.A.	N.A.
MOTOR VEHICLE OPERATORS	5,660	4.25	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	720	0.54	17.50	7.24
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	3,190	2.40	15.39	20.93
DRIVER/SALES WORKERS	1,750	1.31	22.30	7.44
SERVICE STATION ATTENDANTS	100	0.07	45.19	1.61
MATERIAL MOVING EQUIPMENT OPERATORS	30	0.02	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	30	0.02	19.45	1.01
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	1,440	1.08	18.69	5.84
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	200	0.15	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	80	0.06	N.A.	N.A.

SIC 591 DRUG STORES AND PROPRIETARY STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	32,800	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	4,580	13.96	N.A.	N.A.
FINANCIAL MANAGERS	10	0.03	15.41	12.12
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	10	0.03	44.85	9.09
ALL OTHER ADMINISTRATIVE MANAGERS	240	0.73	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	20	0.06	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	4,300	13.11	8.38	54.55
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	6,160	18.76	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	160	0.48	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	160	0.48	N.A.	N.A.
ALL OTHER MANAGEMENT SUPPORT WORKERS	200	0.60	N.A.	N.A.
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	5,710	17.41	N.A.	N.A.
PHARMACISTS	5,260	16.04	17.37	90.91
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	450	1.37	29.42	15.15
SALES AND RELATED OCCUPATIONS	14,090	42.94	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	430	1.31	44.04	12.12
SALESPERSONS, RETAIL	2,690	8.20	28.30	42.42
STOCK CLERKS, SALES FLOOR	740	2.25	43.71	24.24
CASHIERS	9,840	30.00	6.04	54.55
ALL OTHER SALES AND RELATED WORKERS	390	1.18	43.19	3.03
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,530	10.73	N.A.	N.A.
SECRETARIES	300	0.91	49.53	21.21
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,200	3.65	23.02	54.55
PAYROLL AND TIMEKEEPING CLERKS	10	0.03	46.42	6.06
GENERAL OFFICE CLERKS	710	2.16	38.68	30.30
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	20	0.06	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	20	0.06	14.94	12.12
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	20	0.06	41.34	6.06
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	550	1.67	N.A.	N.A.
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	550	1.67	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	720	2.19	N.A.	N.A.

SIC 591 DRUG STORES AND PROPRIETARY STORES
REFERENCE DATE . JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SERVICE OCCUPATIONS	1,890	5.75	N.A.	N.A.
DETECTIVES AND INVESTIGATORS, EXCEPT PUBLIC	30	0.09	25.56	6.06
HEALTH SERVICE AND RELATED WORKERS	830	2.53	N.A.	N.A.
PHARMACY ASSISTANTS	830	2.53	34.23	27.27
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	100	0.30	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	100	0.30	N.A.	N.A.
HAIRDRESSERS, HAIRSTYLISTS, AND COSMETOLOGISTS	910	2.77	21.07	15.15
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	2,550	7.75	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	40	0.12	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	40	0.12	13.35	6.06
PRECISION WORKERS, NEC	130	0.39	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	130	0.39	43.31	3.03
MOTOR VEHICLE OPERATORS	1,500	4.56	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	120	0.36	19.19	6.06
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	760	2.31	42.69	24.24
ALL OTHER MOTOR VEHICLE OPERATORS	620	1.89	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	10	0.03	N.A.	N.A.
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	10	0.03	42.32	3.03
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	830	2.53	13.07	6.06

SIC 592 LIQUOR STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	6,000	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	630	10.50	N.A.	N.A.
FINANCIAL MANAGERS	20	0.33	22.41	15.00
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	10	0.16	35.68	8.33
PURCHASING MANAGERS	90	1.50	30.91	18.33
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	10	0.16	40.47	8.33
GENERAL MANAGERS AND TOP EXECUTIVES	460	7.69	14.12	56.67
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	70	1.16	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	20	0.33	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	20	0.33	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	4,450	74.39	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	440	7.35	18.88	26.67
SALES ENGINEERS	10	0.16	46.35	1.67
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	20	0.33	35.22	5.00
SALESPERSONS, RETAIL	2,590	43.31	9.07	76.67
STOCK CLERKS, SALES FLOOR	720	12.04	15.35	46.67
CASHIERS	670	11.20	24.19	33.33
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	520	8.66	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	20	0.33	47.04	8.33
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	150	2.50	25.96	31.67
GENERAL OFFICE CLERKS	80	1.33	25.09	16.67
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	20	0.33	N.A.	N.A.
DATA ENTRY KEYERS, EXCEPT COMPOSING	20	0.33	48.88	6.67
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	150	2.50	N.A.	N.A.
ORDER FILLERS, WHOLESALE AND RETAIL SALES	100	1.67	27.25	6.67
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	50	0.83	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	100	1.67	N.A.	N.A.
SERVICE OCCUPATIONS	120	1.98	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	70	1.16	N.A.	N.A.
COMBINED FOOD PREPARATION AND SERVICE WORKERS	30	0.50	33.78	5.00

SIC 592 LIQUOR STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER FOOD SERVICE WORKERS	40	0.66	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.66	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	40	0.66	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	210	3.49	N.A.	N.A.
MOTOR VEHICLE OPERATORS	170	2.83	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	150	2.50	33.46	16.67
ALL OTHER MOTOR VEHICLE OPERATORS	20	0.33	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	30	0.50	15.29	6.67

SIC 593 USED MERCHANDISE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	5,800	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	620	10.71	N.A.	N.A.
PURCHASING MANAGERS	60	1.03	33.89	8.79
ALL OTHER ADMINISTRATIVE MANAGERS	20	0.34	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	540	9.34	10.82	63.74
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	90	1.54	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	20	0.34	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	20	0.34	41.70	2.20
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	60	1.03	41.58	8.79
SALES AND RELATED OCCUPATIONS	3,900	67.45	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	510	8.82	20.60	40.66
SALESPERSONS, RETAIL	2,060	35.64	10.49	69.23
STOCK CLERKS, SALES FLOOR	500	8.65	20.28	25.27
CASHIERS	330	5.70	23.83	28.57
NEWS AND STREET VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR SALES WORKERS, AND OTHER RELATED WORKERS	370	6.40	40.13	9.89
ALL OTHER SALES AND RELATED WORKERS	130	2.24	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	590	10.17	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	20	0.34	38.47	3.30
SECRETARIES	100	1.73	27.57	15.38
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	210	3.63	20.96	21.98
GENERAL OFFICE CLERKS	60	1.03	43.95	7.69
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	150	2.58	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	130	2.24	34.21	8.79
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	20	0.34	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	40	0.69	N.A.	N.A.
SERVICE OCCUPATIONS	50	0.86	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	50	0.86	N.A.	N.A.
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	50	0.86	31.84	12.09
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	550	9.47	N.A.	N.A.

SIC 593 USED MERCHANDISE STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MAINTENANCE REPAIRERS, GENERAL UTILITY	70	1.21	29.44	9.89
PRECISION METAL WORKERS	20	0.34	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	20	0.34	N.A.	N.A.
PRECISION WOODWORKERS	20	0.34	N.A.	N.A.
ALL OTHER PRECISION WOODWORKERS	20	0.34	N.A.	N.A.
OTHER HAND WORKERS, NEC	50	0.86	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	50	0.86	N.A.	N.A.
MOTOR VEHICLE OPERATORS	140	2.41	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	110	1.90	27.72	19.78
ALL OTHER MOTOR VEHICLE OPERATORS	30	0.51	N.A.	N.A.
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	160	2.76	33.12	15.38
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	90	1.55	N.A.	N.A.

SIC 594 MISCELLANEOUS SHOPPING GOODS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	54,200	100.00		-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	5,750	10.57	N.A.	N.A.
FINANCIAL MANAGERS	90	0.16	32.62	11.11
PURCHASING MANAGERS	930	1.71	24.88	21.37
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	80	0.14	45.61	8.55
ADMINISTRATIVE SERVICES MANAGERS	220	0.40	3.83	4.27
ALL OTHER ADMINISTRATIVE MANAGERS	70	0.12	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	110	0.20	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	4,140	7.64	10.61	67.52
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	1,690	3.08	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	330	0.60	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	300	0.55	35.06	14.53
ALL OTHER FINANCIAL SPECIALISTS	30	0.05	0.00	0.85
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	610	1.12	27.38	17.95
ALL OTHER MANAGEMENT SUPPORT WORKERS	60	0.11	10.37	1.71
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	20	0.03	N.A.	N.A.
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	20	0.03	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	220	0.40	N.A.	N.A.
COMPUTER PROGRAMMERS	100	0.18	34.59	5.98
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	120	0.22	N.A.	N.A.
ARTISTS AND RELATED WORKERS	40	0.07	47.75	5.98
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	410	0.75	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	34,890	64.38	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	4,430	8.17	15.04	56.41
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	1,060	1.95	45.26	11.97
SALESPERSONS, RETAIL	26,300	48.55	7.23	90.60
STOCK CLERKS, SALES FLOOR	1,330	2.45	47.79	19.66
CASHIERS	1,480	2.73	28.45	17.95
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	7,600	13.95	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	390	0.71	29.07	11.11
ALL OTHER BANKING, SECURITY, FINANCE AND CREDIT WORKERS	350	0.64	N.A.	N.A.

SIC 594 MISCELLANEOUS SHOPPING GOODS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SECRETARIES	670	1.23	35.75	20.51
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	2,060	3.80	17.79	32.48
PAYROLL AND TIMEKEEPING CLERKS	80	0.14	49.59	8.55
GENERAL OFFICE CLERKS	950	1.75	37.31	17.95
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	300	0.54	N.A.	N.A.
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	70	0.12	30.44	5.98
DATA ENTRY KEYERS, EXCEPT COMPOSING	120	0.22	42.74	8.55
ALL OTHER OFFICE MACHINE OPERATORS	110	0.20	N.A.	N.A.
ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	80	0.14	N.A.	N.A.
ALL OTHER MAIL AND MESSAGE DISTRIBUTION WORKERS	20	0.03	N.A.	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	2,070	3.81	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	590	1.08	38.34	14.53
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	900	1.66	23.60	21.37
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	580	1.07	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	630	1.16	N.A.	N.A.
SERVICE OCCUPATIONS	120	0.19	N.A.	N.A.
ALL OTHER PROTECTIVE SERVICE WORKERS	10	0.01	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	20	0.03	N.A.	N.A.
ALL OTHER FOOD SERVICE WORKERS	20	0.03	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	80	0.14	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	80	0.14	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	4,150	7.60	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	90	0.16	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	30	0.05	36.78	2.56
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	60	0.11	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	30	0.05	N.A.	N.A.
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	30	0.05	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	1,370	2.52	N.A.	N.A.
PRECISION METAL WORKERS	910	1.67	N.A.	N.A.
JEWELERS AND SILVERSMITHS	910	1.67	33.94	10.26

SIC 594 MISCELLANEOUS SHOPPING GOODS STORES
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PRECISION WORKERS, NEC	280	0.51	N.A.	N.A.
ALL OTHER PRECISION WORKERS, NEC	280	0.51	N.A.	N.A.
ALL OTHER TEXTILE AND RELATED SETTERS, OPERATORS, AND OTHER RELATED WORKERS	20	0.03	N.A.	N.A.
MOTOR VEHICLE OPERATORS	730	1.34	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	620	1.14	42.59	15.38
ALL OTHER MOTOR VEHICLE OPERATORS	110	0.20	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	360	0.66	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	360	0.66	N.A.	N.A.

SIC 596 NONSTORE RETAILERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	7,590	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	600	7.90	N.A.	N.A.
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	90	1.18	33.28	27.08
GENERAL MANAGERS AND TOP EXECUTIVES	440	5.80	21.14	60.42
ALL OTHER MANAGERS AND ADMINISTRATORS	70	0.92	N.A.	N.A.
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	250	3.27	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	20	0.26	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	20	0.26	34.47	14.58
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS	80	1.05	37.17	8.33
ALL OTHER MANAGEMENT SUPPORT WORKERS	30	0.39	0.00	2.08
COMPUTER SCIENTISTS AND RELATED WORKERS	30	0.39	N.A.	N.A.
COMPUTER PROGRAMMERS	10	0.13	32.14	6.25
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	20	0.26	N.A.	N.A.
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	60	0.79	N.A.	N.A.
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	60	0.79	N.A.	N.A.
ARTISTS AND RELATED WORKERS	10	0.13	16.58	4.17
SALES AND RELATED OCCUPATIONS	2,120	27.95	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	160	2.11	31.65	29.17
SALES REPRESENTATIVES, EXCEPT SCIENTIFIC AND RELATED PRODUCTS OR SERVICES AND RETAIL	930	12.26	34.13	22.92
SALESPERSONS, RETAIL	840	11.08	27.23	31.25
STOCK CLERKS, SALES FLOOR	30	0.39	48.41	8.33
ALL OTHER SALES AND RELATED WORKERS	160	2.11	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,280	30.01	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	170	2.24	21.89	35.42
ADJUSTMENT CLERKS	120	1.58	37.59	6.25
SECRETARIES	280	3.69	38.05	35.42
FILE CLERKS	10	0.13	26.46	6.25
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	440	5.80	23.31	18.75
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	100	1.31	39.34	25.00
GENERAL OFFICE CLERKS	370	4.88	29.38	41.67
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	70	0.91	N.A.	N.A.

SIC 596 NONSTORE RETAILERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	20	0.26	35.61	4.17
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	20	0.26	21.43	6.25
DATA ENTRY KEYERS, EXCEPT COMPOSING	30	0.39	33.99	8.33
MAIL CLERKS, EXCEPT MAIL MACHINE OPERATORS & POSTAL SERVICE	110	1.45	33.45	8.33
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	470	6.18	N.A.	N.A.
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	90	1.18	39.76	22.92
ORDER FILLERS, WHOLESALE AND RETAIL SALES	240	3.16	23.18	22.92
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	130	1.71	19.36	16.67
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	10	0.13	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	130	1.71	N.A.	N.A.
SERVICE OCCUPATIONS	1,000	13.17	N.A.	N.A.
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	910	12.00	N.A.	N.A.
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	470	6.20	36.92	14.58
FOOD PREPARATION WORKERS	230	3.03	35.60	16.67
ALL OTHER FOOD SERVICE WORKERS	210	2.77	N.A.	N.A.
HEALTH SERVICE AND RELATED WORKERS	30	0.39	N.A.	N.A.
ALL OTHER HEALTH SERVICE WORKERS	30	0.39	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	10	0.13	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	10	0.13	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,340	17.61	N.A.	N.A.
ALL OTHER INSPECTORS, TESTERS AND RELATED OCCUPATIONS	40	0.52	N.A.	N.A.
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	20	0.26	N.A.	N.A.
ALL OTHER MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	20	0.26	N.A.	N.A.
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	60	0.79	N.A.	N.A.
COIN AND VENDING MACHINE SERVICERS AND REPAIRERS	240	3.16	28.96	27.08
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	30	0.39	N.A.	N.A.
OTHER HAND WORKERS, NEC	100	1.31	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	100	1.31	41.40	14.58
MOTOR VEHICLE OPERATORS	690	9.09	N.A.	N.A.
DRIVER/SALES WORKERS	620	8.17	29.91	25.00
ALL OTHER MOTOR VEHICLE OPERATORS	70	0.92	N.A.	N.A.
ALL OTHER TRANSPORTATION AND RELATED WORKERS	50	0.65	N.A.	N.A.
MATERIAL MOVING EQUIPMENT OPERATORS	10	0.13	N.A.	N.A.

SIC 596 NONSTORE RETAILERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	10	0.13	0.00	2.08
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	80	1.05	N.A.	N.A.

SIC 598 FUEL DEALERS
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	3,640	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	550	15.18	N.A.	N.A.
ALL OTHER ADMINISTRATIVE MANAGERS	40	1.10	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	490	13.53	8.44	86.54
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	30	0.82	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	10	0.27	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	10	0.27	N.A.	N.A.
ALL OTHER MANAGEMENT SUPPORT WORKERS	20	0.55	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	330	9.10	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	110	3.03	23.73	28.85
SALESPERSONS, RETAIL	100	2.76	40.24	11.54
ALL OTHER SALES AND RELATED WORKERS	120	3.31	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	860	23.73	N.A.	N.A.
SECRETARIES	240	6.62	23.54	32.69
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	320	8.83	15.43	55.77
GENERAL OFFICE CLERKS	210	5.80	20.29	32.69
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	90	2.48	N.A.	N.A.
SERVICE OCCUPATIONS	20	0.55	N.A.	N.A.
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	0.55	N.A.	N.A.
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	20	0.55	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,850	51.08	N.A.	N.A.
MAINTENANCE REPAIRERS, GENERAL UTILITY	100	2.76	27.54	17.31
SELECTED MOBILE EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	50	1.38	N.A.	N.A.
AUTOMOTIVE MECHANICS	50	1.38	38.45	17.31
GAS APPLIANCE REPAIRERS	250	6.90	18.61	48.08
MOTOR VEHICLE OPERATORS	1,350	37.28	N.A.	N.A.
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	460	12.70	21.54	42.31
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	440	12.15	22.51	30.77
DRIVER/SALES WORKERS	450	12.43	19.82	32.69
SERVICE STATION ATTENDANTS	50	1.38	47.73	9.62

SIC 599 RETAIL STORES, NEC
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	22,920	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,590	11.27	N.A.	N.A.
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	10	0.04	46.22	4.17
PURCHASING MANAGERS	340	1.48	34.54	14.58
ALL OTHER ADMINISTRATIVE MANAGERS	70	0.30	N.A.	N.A.
ALL OTHER SUPPORT SERVICES MANAGERS	60	0.26	N.A.	N.A.
GENERAL MANAGERS AND TOP EXECUTIVES	2,100	9.15	14.22	57.29
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	6,420	27.95	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	80	0.34	N.A.	N.A.
ALL OTHER FINANCIAL SPECIALISTS	80	0.34	N.A.	N.A.
ALL OTHER MANAGEMENT SUPPORT WORKERS	130	0.56	N.A.	N.A.
ALL OTHER ENGINEERS AND RELATED OCCUPATIONS	30	0.13	N.A	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	20	0.08	N.A	N.A.
ALL OTHER COMPUTER SYSTEMS ANALYSTS, PROGRAMMERS, AND PROGRAMMER AIDES	20	0.08	N.A.	N.A.
HEALTH PRACTITIONERS, TECHNOLOGISTS, TECHNICIANS, AND RELATED HEALTH OCCUPATIONS	3,130	13.64	N.A.	N.A.
OPTICIANS, DISPENSING AND MEASURING	3,130	13.64	25.06	21.88
DESIGNERS, EXCEPT INTERIOR DESIGNERS	2,910	12.68	18.72	35.42
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	120	0.52	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	9,040	39.38	N.A.	N.A.
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SALES AND RELATED OCCUPATIONS	1,270	5.53	24.26	28.13
SALESPERSONS, RETAIL	5,970	26.02	12.27	56.25
CASHIERS	440	1.91	27.69	11.46
ALL OTHER SALES AND RELATED WORKERS	1,360	5.92	N.A.	N.A.
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2,730	11.87	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	280	1.22	43.46	5.21
SECRETARIES	440	1.91	33.16	13.54
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	800	3.48	20.23	33.33
GENERAL OFFICE CLERKS	580	2.52	28.61	19.79
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	30	0.13	N.A.	N.A.
ALL OTHER OFFICE MACHINE OPERATORS	30	0.13	N.A	N.A.
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	260	1.13	N.A	N.A.

SIC 599 RETAIL STORES, NEC
REFERENCE DATE : JUNE 12, 1988

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	260	1.13	N.A.	N.A.
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	340	1.48	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	220	0.95	N.A.	N.A.
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	220	0.95	N.A.	N.A.
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	1,920	8.31	N.A.	N.A.
ALL OTHER ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	40	0.17	N.A.	N.A.
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	160	0.69	N.A.	N.A.
PRECISION METAL WORKERS	40	0.17	N.A.	N.A.
ALL OTHER PRECISION METAL WORKERS	40	0.17	N.A.	N.A.
PRECISION TEXTILE, APPAREL, AND FURNISHINGS WORKERS	20	0.08	N.A.	N.A.
ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WORKERS	20	0.08	N.A.	N.A.
OTHER HAND WORKERS, NEC	250	1.08	N.A.	N.A.
ALL OTHER HAND WORKERS, NEC	250	1.08	N.A.	N.A.
MOTOR VEHICLE OPERATORS	1,090	4.74	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	1,040	4.53	21.26	29.17
ALL OTHER MOTOR VEHICLE OPERATORS	50	0.21	N.A.	N.A.
ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	100	0.43	N.A.	N.A.
ALL OTHER PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	220	0.95	N.A.	N.A.

GLOSSARY OF TERMS

ES-202, Quarterly Report of Employment and Wages: A listing of all employing units, within the state, covered under the Unemployment Insurance Law.

Establishment: An economic unit which produces goods or services. In most instances, each establishment is a single physical location and is engaged in one predominate type of economic activity for which an industry code is applicable. Establishments are also referred to as reporting units.

Standard Industrial Classification (SIC): The SIC is the classification of establishments by type of economic activity in which engaged. It is a classification of establishment, rather than legal entities or enterprises by kinds of business, and not by occupations or commodities. It encompasses all economic activity.

Universe: Total establishments or units covered under the ES-202, Quarterly Report of Employment and Wages.